

The background features a dark, textured surface with a glowing blue and purple sphere in the center. A white Apple logo is positioned at the top of the sphere. The text "Worldwide Developers Conference" is overlaid on the image. "Worldwide" and "Conference" are in a gold, serif font, while "Developers" is in a white, serif font enclosed in a white rectangular box. The overall aesthetic is futuristic and tech-oriented.

Worldwide

Developers

Conference



**Color:
The Mac OS
Advantage**

Color : The Mac OS Advantage

Session overview

- **ColorPicker** **John Calhoun**
- **ColorSync Update** **David Hayward**
- **Third-party Demo** **Allison McMorro**
- **Q&A**





Color Picker 2.1

John Calhoun

Graphics Engineer

Apple Computer, Inc.

Color Picker 2.0

Features

- **Component Manager based**
- **RGB and HSL pickers**
- **ColorSync 1.0 support**
- **Moveable/modal and callback procs**
- **New APIs...**



Color Picker 2.0

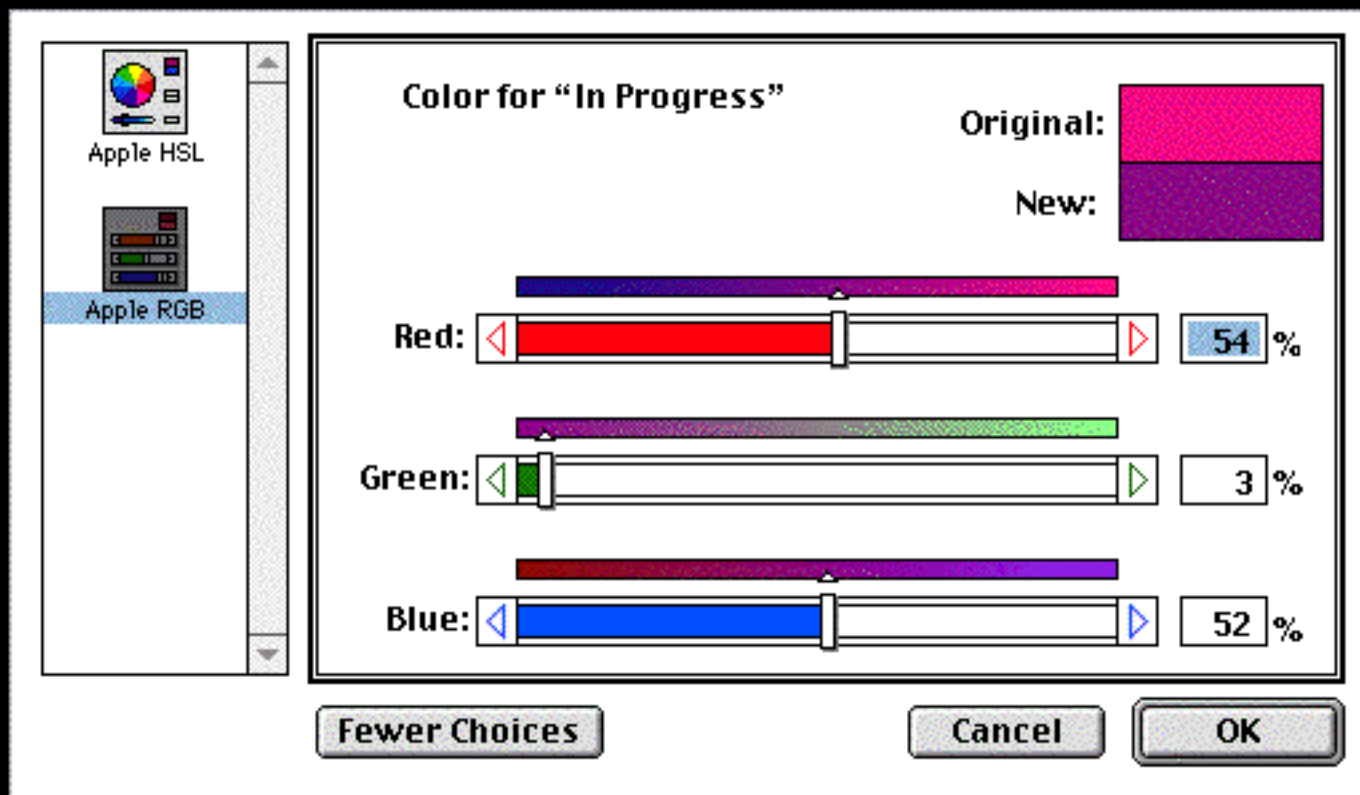
API

- **PickColor()**
- **Mid-level Routines**
- **Lower-level Routines**
- **Gestalt says version is 0x0100**



Color Picker 2.0

Screenshot



Color Picker 2.1

Features

- **ColorSync 2.x support**
- **New pickers**
- **Eyedropper**
- **Native (EAT) pickers**
- **New APIs, others dropped...**

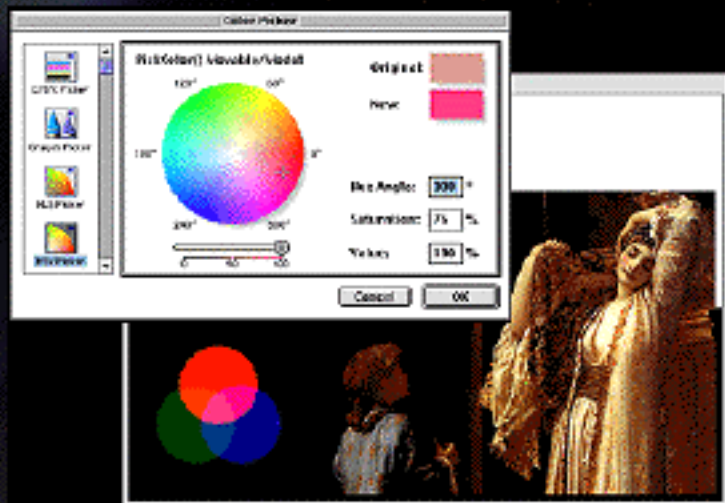


Color Picker 2.1

API

- **Added:**
 - **NPickColor()**
- **Removed:**
 - **All mid-level API calls**
- **Gestalt says version is**
0x0210





Demo



ColorSync Update

David Hayward

ColorSync Engineer

Apple Computer, Inc.

What's New in ColorSync 2.1

- **Additional Supported Bitmaps**
 - cmRGB24Space, cmLab24Space, cmMCH6Space, ...
- **Full HiFi process support**
- **Named Profiles**
 - Pantone™, TruMatch™, etc.
- **Procedure-based profiles**
- **Profile Identifiers**



What's Coming in ColorSync 2.5

- **Multi-Processor support**
 - Improved performance matching large bitmaps
- **Optimized profile management**
- **AppleScript support**
- **Installer**
- **Better User Experience**
 - New Control Panel



ColorSync Rhapsody Plans

- **A Stand-alone System Extension**
- **Integrated with Yellow Box APIs**
- **Definitely in “Unified Release”**
- **In “Premier Release” if schedule permits**
 - or as a stand-alone API a.s.a.p.



ColorSync Hints and Tips

- **Avoid callbacks to get biggest MP benefit**
- **Don't keep profiles open longer than needed**
- **Use CMGetColorSyncProfileFolder**
- **Rules of the ColorSync Profile Folder**
 - Profiles or aliases to profiles
 - No subfolders or aliases to folders



ColorSync Hints and Tips

- **Consider Device-Link profiles to**
 - Model traditional device-to-device calibration
 - Simplify common work-flows



ColorSync Plug-ins

- **Take full advantage of ColorSync 2.1**
- **Now Support:**
 - Lab Color Space
 - Multichannel Color Spaces
 - Device-Link profiles



Where to Go

- www.colorsync.apple.com
 - ColorSync 2.1.2
 - ColorSync Plug-ins
 - New White Paper





Demo



Color : The Mac OS Advantage

Allison McMorrow

ColorSync Product Manager

ColorSync : The Color Management Workflow Standard

- **Over 30 developers offering more than 60 SW and HW products**
- **Comparable to QuickTime**
 - Author on the Mac, distribute cross-platform
- **Continued advancement of technology**





**QuarkXpress 4.0
and
Canto Cumulus**

Demo



Q&A

The background of the image is a collage of various items: a magnifying glass with an Apple logo on its handle, a green pen holder with several pens, a globe, and a keyboard. The text is overlaid on this background. The word "Worldwide" is in a gold, serif font. The word "Developers" is in a white, serif font and is enclosed in a white rectangular border. The word "Conference" is in a gold, serif font.

Worldwide

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