

Converting Colors

$Y_{xy}(24.0521, 0.4696, 0.3684)$

Have a look what the booklet for
Yxy(24.0521, 0.4696, 0.3684)
contains.

Yxy(24.0902, 0.4692, 0.3684)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.0902, 0.4692, 0.3684)

Conversions

Conversions Part 1

Format	Color
Hex	C76F50
RGB	199, 111, 80
RGB Percent	78%, 44%, 31%
CMY	0.2197, 0.5646, 0.6863
CMYK	0.00, 0.44, 0.60, 0.22
HSL	16°, 52%, 55%
HSV	16°, 60%, 78%
XYZ	30.6817, 24.0902, 10.6196
YIQ	133.7780, 62.3990, 9.0150

Conversions

Conversions Part 2

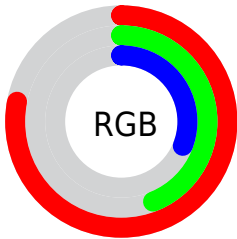
Format	Color
RYB	199, 122, 80
Decimal	13070160
CIELab	56.18, 31.88, 32.38
CIElCh	56, 45.442, 45.449
Yxy	24.0902, 0.4692, 0.3684
Android (android.graphics.Color)	4291260240 (0xFFC76F50)
YUV	133.7780, -26.5126, 57.1997
Hunter-Lab	49.0818, 25.6896, 21.5290

Details

The Yxy color **24.0902, 0.4692, 0.3684** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **33.8147, 0.2291, 0.2806**, and the grayscale version is **23.8374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.4226, 0.4319, 0.3646**, and **9.1157, 0.5251, 0.3698** is the 20% darker color. If you saturate the color by 10%, you get **20.8890, 0.5078, 0.3712**, and if you desaturate by 10%, it is **27.9096, 0.4330, 0.3632**.

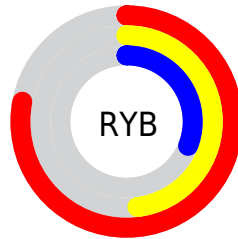
Distribution



Red (78%)

Green (44%)

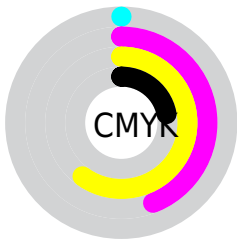
Blue (31%)



Red (78%)

Yellow (48%)

Blue (31%)

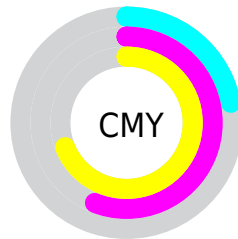


Cyan (0%)

Magenta (44%)

Yellow (60%)

Black (22%)



Cyan (22%)

Magenta (56%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.0902, 0.4692, 0.3684 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 24.0902, 0.4692, 0.3684 by changing the saturation by 10% instead.


 24.0902, 0.4692,
0.3684


 24.0902, 0.4692,
0.3684

273.2762, 0.3827,
0.3522


 15.4005, 0.4929,
0.3701


 50.1774, 0.4360,
0.3639

 9.1010, 0.5239,
0.3704


 68.3436, 0.4241,
0.3618

 4.8071, 0.5656,
0.3665

 90.4376, 0.4142,
0.3598

 2.1345, 0.6387,
0.3613

 116.8436, 0.4058,
0.3580

 0.6839, 0.6972,
0.3028

 147.9461, 0.3987,
0.3563

 0.0000, 1.0000,
0.0000

184.1294, 0.3926,

 0.0000, 0.0000,

0.3548

0.0000

225.7780, 0.3873,
0.3534

■ 24.0902, 0.4692,
0.3684

■ 24.0902, 0.4692,
0.3684

■ 20.8890, 0.5078,
0.3712

■ 27.9096, 0.4330,
0.3632

■ 18.2685, 0.5458,
0.3704

■ 32.3745, 0.4006,
0.3566

■ 16.1925, 0.5794,
0.3654

■ 37.5150, 0.3727,
0.3495

■ 14.6127, 0.6057,
0.3571

■ 43.3581, 0.3490,
0.3423

■ 14.5857, 0.6061,
0.3569

■ 49.9296, 0.3291,
0.3354

■ 57.2535, 0.3124,
0.3289

■ 65.3529, 0.2985,
0.3229

■ 74.2501, 0.2868,
0.3174

■ 83.7012, 0.2791,
0.3166

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



24.0902, 0.4393, 0.3113



24.0902, 0.4692, 0.3684



24.0902, 0.4500, 0.4249

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



24.0902, 0.4692, 0.3684



24.0902, 0.2489, 0.4137



24.0902, 0.2241, 0.2102

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



24.0902, 0.4692, 0.3684



33.8147, 0.2291, 0.2806

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



24.0902, 0.1868, 0.2198



24.0902, 0.4692, 0.3684



24.0902, 0.1982, 0.3288

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



24.0902, 0.4692, 0.3684



24.0902, 0.3206, 0.4691



24.0902, 0.1777, 0.2586



24.0902, 0.2883, 0.2254

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



24.0902, 0.4692, 0.3684



24.0902, 0.4158, 0.4562



24.0902, 0.1777, 0.2586



24.0902, 0.2085, 0.2105

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



24.0915, 0.4692, 0.3684



77.6181, 0.3457, 0.3412



20.7484, 0.3566, 0.2202



15.9264, 0.3521, 0.3433



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.0915, 0.4692, 0.3684



34.9801, 0.5204, 0.3713



41.1813, 0.4179, 0.4387



11.0792, 0.3283, 0.3351



9.5035, 0.6038, 0.3588



0.5718, 0.5615, 0.3924

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



33.8147, 0.2291, 0.2806



53.2594, 0.2163, 0.2678



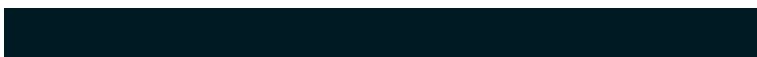
16.9226, 0.2075, 0.1832



11.5813, 0.2984, 0.3228



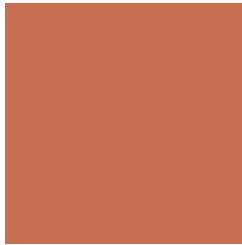
16.2393, 0.2008, 0.2430



0.8817, 0.2064, 0.2630

Previews

White Background



This preview shows how the Yxy color 24.0902, 0.4692, 0.3684 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 24.0902, 0.4692, 0.3684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.0902, 0.4692, 0.3684

Background



This preview shows how black text looks on a background with the Yxy color 24.0902, 0.4692, 0.3684.



This preview shows how white text looks on a background with the Yxy color 24.0902, 0.4692, 0.3684.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

24.0902, 0.4692, 0.3684

Protanopia

24.2523, 0.3769, 0.4062

Deuteranopia

24.2216, 0.4174, 0.4098



Tritanopia

24.1478, 0.4295, 0.3202

Trichromacy



Original Color

24.0902, 0.4692, 0.3684

Protanomaly

23.7006, 0.4101, 0.3909

Deuteranomaly

23.8020, 0.4372, 0.3937

Tritanomaly

23.9638, 0.4443, 0.3372

Monochromacy



Original Color

24.0902, 0.4692, 0.3684

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.4057, 0.3664, 0.3486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0902, 0.4692, 0.3684 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(199, 111, 80)` looks like.

```
.text, #text, p{  
    color:rgb(199, 111, 80)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(199, 111, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 111, 80) }
```

Border

The CSS property to change the border of an element to Yxy 24.0902, 0.4692, 0.3684 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(199, 111, 80) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(199, 111, 80) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(199, 111, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 111, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 111, 80);  
box-shadow:4px 4px 4px 4px rgb(199, 111,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0902, 0.4692, 0.3684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 111, 80) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(199,  
111, 80) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor