

Converting Colors

$Y_{xy}(24.4255, 0.4711, 0.3760)$

Have a look what the booklet for
Yxy(24.4255, 0.4711, 0.3760)
contains.

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Color

Yxy(24.3378, 0.4709, 0.3758)

Conversions

Conversions Part 1

Format	Color
Hex	C6714C
RGB	198, 113, 76
RGB Percent	78%, 44%, 30%
CMY	0.2236, 0.5568, 0.7019
CMYK	0.00, 0.43, 0.62, 0.22
HSL	18°, 52%, 54%
HSV	18°, 62%, 78%
XYZ	30.4967, 24.3378, 9.9281
YIQ	134.1970, 62.5370, 6.5130

Conversions

Conversions Part 2

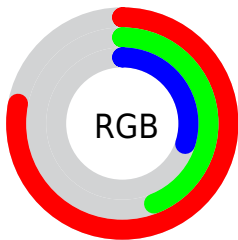
Format	Color
RYB	198, 129, 76
Decimal	13005132
CIELab	56.42, 30.13, 34.85
CIElCh	56, 46.068, 49.158
Yxy	24.3378, 0.4709, 0.3758
Android (android.graphics.Color)	4291195212 (0xFFC6714C)
YUV	134.1970, -28.6911, 55.9552
Hunter-Lab	49.3334, 24.0112, 22.6015

Details

The Yxy color **24.3378, 0.4709, 0.3758** 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 **31.0974, 0.2252, 0.2702**, and the grayscale version is **24.0079, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0388, 0.4344, 0.3707**, and **9.2242, 0.5260, 0.3783** is the 20% darker color. If you saturate the color by 10%, you get **21.2572, 0.5077, 0.3788**, and if you desaturate by 10%, it is **27.9735, 0.4358, 0.3700**.

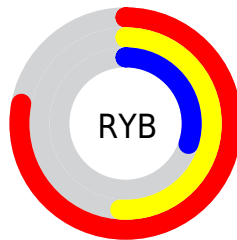
Distribution



Red (78%)

Green (44%)

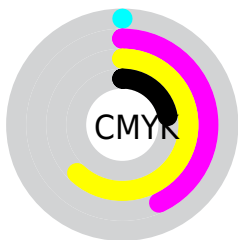
Blue (30%)



Red (78%)

Yellow (51%)

Blue (30%)

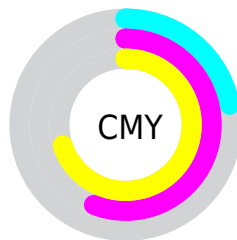


Cyan (0%)

Magenta (43%)

Yellow (62%)

Black (22%)



Cyan (22%)

Magenta (56%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.3378, 0.4709, 0.3758 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 24.3378, 0.4709, 0.3758 by changing the saturation by 10% instead.


 24.3378, 0.4709,
0.3758


 24.3378, 0.4709,
0.3758


274.5239, 0.3839,
0.3560


 15.5844, 0.4944,
0.3783


 50.5809, 0.4377,
0.3701

 9.2305, 0.5248,
0.3793


 68.8393, 0.4257,
0.3674


 4.8919, 0.5657,
0.3767

 91.0349, 0.4157,
0.3650

 2.1840, 0.6306,
0.3694

 117.5521, 0.4073,
0.3628

 0.7112, 0.6854,
0.3146

 148.7751, 0.4002,
0.3608

 0.0000, 1.0000,
0.0000

185.0885, 0.3940,

 0.0000, 0.0000,

0.3590

0.0000

226.8766, 0.3886,
0.3574

■ 24.3378, 0.4709,
0.3758

■ 24.3378, 0.4709,
0.3758

■ 21.2572, 0.5077,
0.3788

■ 27.9735, 0.4358,
0.3700

■ 18.6986, 0.5435,
0.3779

■ 32.1871, 0.4041,
0.3625

■ 16.6312, 0.5747,
0.3722

■ 37.0048, 0.3763,
0.3543

■ 15.2431, 0.5961,
0.3649

■ 42.4501, 0.3525,
0.3459

■ 48.5448, 0.3323,
0.3378

■ 55.3101, 0.3152,
0.3302

■ 62.7659, 0.3008,
0.3231

■ 70.9314, 0.2887,
0.3166

■ 79.8248, 0.2784,
0.3107

Harmonies

Analogous

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



24.3378, 0.4470, 0.3179



24.3378, 0.4709, 0.3758



24.3378, 0.4459, 0.4321

Triad

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



24.3378, 0.4709, 0.3758



24.3378, 0.2404, 0.4046



24.3378, 0.2299, 0.2098

Complementary

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



24.3378, 0.4709, 0.3758



31.0974, 0.2252, 0.2702

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.



24.3378, 0.1888, 0.2161



24.3378, 0.4709, 0.3758



24.3378, 0.1929, 0.3185

Square

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



24.3378, 0.4709, 0.3758



24.3378, 0.3111, 0.4669



24.3378, 0.1761, 0.2513



24.3378, 0.2976, 0.2279

Rectangle

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



24.3378, 0.4709, 0.3758



24.3378, 0.4088, 0.4619



24.3378, 0.1761, 0.2513



24.3378, 0.2130, 0.2091

Sweetspot

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



24.3391, 0.4709, 0.3758



78.6570, 0.3453, 0.3432



19.7610, 0.3670, 0.2243



16.1766, 0.3516, 0.3456



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.



24.3391, 0.4709, 0.3758



35.9587, 0.5205, 0.3790



42.6417, 0.4162, 0.4476



11.1529, 0.3282, 0.3361



10.0472, 0.5937, 0.3668



0.6052, 0.5519, 0.4000

Inverse Universe

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



31.0974, 0.2252, 0.2702



48.6644, 0.2118, 0.2548



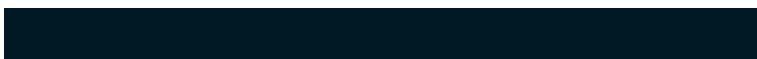
14.8048, 0.2021, 0.1684



11.5034, 0.2984, 0.3218



14.6163, 0.1967, 0.2279



0.8152, 0.2032, 0.2515

Previews

White Background



This preview shows how the Yxy color 24.3378, 0.4709, 0.3758 looks on a white background.

Color Contrast Check

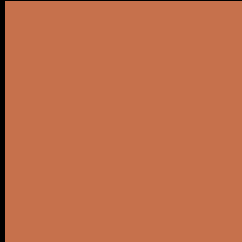
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3378, 0.4709, 0.3758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

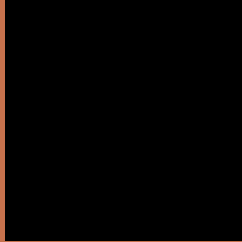
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.3378, 0.4709, 0.3758

Background



This preview shows how black text looks on a background with the Yxy color 24.3378, 0.4709, 0.3758.



This preview shows how white text looks on a background with the Yxy color 24.3378, 0.4709, 0.3758.

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

24.3378, 0.4709, 0.3758

Protanopia

24.5443, 0.3827, 0.4153

Deuteranopia

24.2885, 0.4217, 0.4134



Tritanopia

24.4036, 0.4261, 0.3189

Trichromacy



Original Color

24.3378, 0.4709, 0.3758

Protanomaly

24.1394, 0.4141, 0.4010

Deuteranomaly

24.1253, 0.4407, 0.3985

Tritanomaly

24.3708, 0.4442, 0.3411

Monochromacy



Original Color

24.3378, 0.4709, 0.3758

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.2821, 0.3663, 0.3503

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3378, 0.4709, 0.3758 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(198, 113, 76)` looks like.

```
.text, #text, p{  
    color:rgb(198, 113, 76)  
}
```

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(198, 113, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 113, 76) }
```

Border

The CSS property to change the border of an element to Yxy 24.3378, 0.4709, 0.3758 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(198, 113, 76) }
```

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

```
.border{ border-color:rgb(198, 113, 76) }
```

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

Here you see how a box with a 4 pixel rgb(198, 113, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 113, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 113, 76);  
box-shadow:4px 4px 4px 4px rgb(198, 113,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3378, 0.4709, 0.3758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 113, 76) }
```

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

```
.background{ background-color: rgb(198,  
113, 76) }
```

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](#).

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