

Converting Colors

$Y_{xy}(25.1004, 0.5113, 0.3970)$

Have a look what the booklet for
Yxy(25.1004, 0.5113, 0.3970)
contains.

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Color

Yxy(24.9840, 0.5112, 0.3965)

Conversions

Conversions Part 1

Format	Color
Hex	D06F2F
RGB	208, 111, 47
RGB Percent	82%, 44%, 18%
CMY	0.1843, 0.5647, 0.8156
CMYK	0.00, 0.47, 0.77, 0.18
HSL	24°, 63%, 50%
HSV	24°, 77%, 82%
XYZ	32.2114, 24.9840, 5.8159
YIQ	132.7070, 78.3560, 0.6600

Conversions

Conversions Part 2

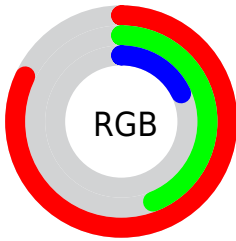
Format	Color
R _Y B	208, 153, 47
Decimal	13659951
CIE Lab	57.06, 33.69, 50.64
CIE LCh	57, 60.824, 56.370
Yxy	24.9840, 0.5112, 0.3965
Android (android.graphics.Color)	4291850031 (0xFFD06F2F)
YUV	132.7070, -42.2536, 66.0320
Hunter-Lab	49.9840, 27.5595, 28.0900

Details

The Yxy color **24.9840, 0.5112, 0.3965** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed orange. A complement of this color would be **25.1127, 0.2031, 0.2263**, and the grayscale version is **23.4799, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.6740, 0.4605, 0.3955**, and **9.5405, 0.5624, 0.3916** is the 20% darker color. If you saturate the color by 10%, you get **22.3095, 0.5408, 0.3941**, and if you desaturate by 10%, it is **28.1250, 0.4791, 0.3939**.

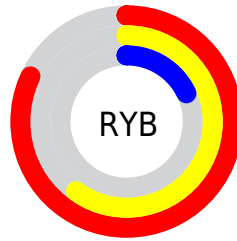
Distribution



Red (82%)

Green (44%)

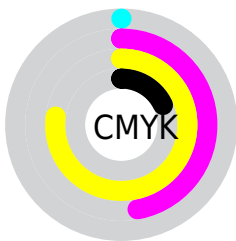
Blue (18%)



Red (82%)

Yellow (60%)

Blue (18%)

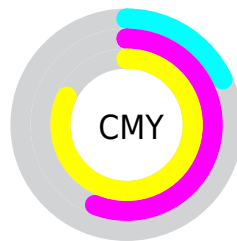


Cyan (0%)

Magenta (47%)

Yellow (77%)

Black (18%)



Cyan (18%)


Magenta (56%)

Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9840, 0.5112, 0.3965 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 24.9840, 0.5112, 0.3965 by changing the saturation by 10% instead.


 24.9840, 0.5112,
0.3965


 24.9840, 0.5112,
0.3965


277.7583, 0.4060,
0.3712


 16.0651, 0.5365,
0.3975


 51.6313, 0.4730,
0.3907


 9.5703, 0.5668,
0.3949


 70.1285, 0.4585,
0.3874


 5.1150, 0.6105,
0.3895

 92.5872, 0.4462,
0.3842

 2.3149, 0.6424,
0.3576

 119.3919, 0.4358,
0.3811

 0.7816, 0.6963,
0.3037

 150.9270, 0.4267,
0.3783

 0.0000, 1.0000,
0.0000

 187.5768, 0.4189,

 0.0000, 0.0000,

0.3758

0.0000

229.7258, 0.4121,
0.3734

■ 24.9840, 0.5112,
0.3965

■ 24.9840, 0.5112,
0.3965

■ 22.3095, 0.5408,
0.3941

■ 28.1250, 0.4791,
0.3939

■ 20.0677, 0.5657,
0.3865

■ 31.7533, 0.4469,
0.3875

■ 19.5466, 0.5717,
0.3843

■ 35.8932, 0.4164,
0.3786

■ 40.5657, 0.3888,
0.3682

■ 45.7904, 0.3643,
0.3574

■ 51.5859, 0.3430,
0.3466

■ 57.9700, 0.3246,
0.3362

■ 64.9593, 0.3088,
0.3265

■ 72.5701, 0.2954,
0.3175

Harmonies

Analogous

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



24.9840, 0.5011, 0.3266



24.9840, 0.5112, 0.3965



24.9840, 0.4612, 0.4679

Triad

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



24.9840, 0.5112, 0.3965



24.9840, 0.2006, 0.4013



24.9840, 0.2246, 0.1846

Complementary

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



24.9840, 0.5112, 0.3965



25.1127, 0.2031, 0.2263

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.



24.9840, 0.1678, 0.1832



24.9840, 0.5112, 0.3965



24.9840, 0.1541, 0.2867

Square

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



24.9840, 0.5112, 0.3965



24.9840, 0.2823, 0.5026



24.9840, 0.1447, 0.2138



24.9840, 0.3161, 0.2126

Rectangle

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



24.9840, 0.5112, 0.3965



24.9840, 0.4075, 0.5071



24.9840, 0.1447, 0.2138



24.9840, 0.2016, 0.1810

Sweetspot

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



24.9853, 0.5112, 0.3965



76.2695, 0.3551, 0.3529



17.5298, 0.4093, 0.2225



15.6254, 0.3632, 0.3569



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.



24.9853, 0.5112, 0.3965



32.9142, 0.5580, 0.3895



50.1074, 0.4269, 0.4777



12.5682, 0.3281, 0.3383



12.3589, 0.5692, 0.3862



0.8443, 0.5356, 0.4130

Inverse Universe

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



25.1127, 0.2031, 0.2263



32.7486, 0.1901, 0.2009



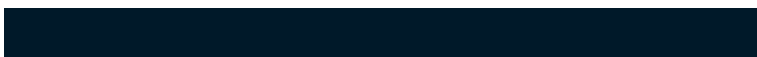
9.0325, 0.1722, 0.1073



12.5857, 0.2983, 0.3195



12.2257, 0.1873, 0.1942



0.8363, 0.1949, 0.2216

Previews

White Background



This preview shows how the Yxy color 24.9840, 0.5112, 0.3965 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 24.9840, 0.5112, 0.3965 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 24.9840, 0.5112, 0.3965

Background



This preview shows how black text looks on a background with the Yxy color 24.9840, 0.5112, 0.3965.



This preview shows how white text looks on a background with the Yxy color 24.9840, 0.5112, 0.3965.

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

24.9840, 0.5112, 0.3965

Protanopia

25.2156, 0.4143, 0.4563

Deuteranopia

24.8960, 0.4547, 0.4457



Tritanopia

24.9194, 0.4456, 0.3196

Trichromacy



Original Color

24.9840, 0.5112, 0.3965

Protanomaly

24.5616, 0.4511, 0.4337

Deuteranomaly

24.6546, 0.4764, 0.4267

Tritanomaly

24.9216, 0.4746, 0.3520

Monochromacy



Original Color

24.9840, 0.5112, 0.3965

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.1001, 0.3841, 0.3662

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9840, 0.5112, 0.3965 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(208, 111, 47)` looks like.

```
.text, #text, p{  
    color:rgb(208, 111, 47)  
}
```

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(208, 111, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 111, 47) }
```

Border

The CSS property to change the border of an element to Yxy 24.9840, 0.5112, 0.3965 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(208, 111, 47) }
```

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

```
.border{ border-color:rgb(208, 111, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 111, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 111, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 111, 47);  
box-shadow:4px 4px 4px 4px rgb(208, 111,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9840, 0.5112, 0.3965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 111, 47) }
```

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

```
.background{ background-color: rgb(208,  
111, 47) }
```

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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