

Converting Colors

$Y_{xy}(25.9715, 0.4800, 0.3912)$

Have a look what the booklet for
Yxy(25.9715, 0.4800, 0.3912)
contains.

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Color

Yxy(25.9068, 0.4806, 0.3913)

Conversions

Conversions Part 1

Format	Color
Hex	CA7642
RGB	202, 118, 66
RGB Percent	79%, 46%, 26%
CMY	0.2079, 0.5372, 0.7411
CMYK	0.00, 0.42, 0.67, 0.21
HSL	23°, 56%, 53%
HSV	23°, 67%, 79%
XYZ	31.8191, 25.9068, 8.4811
YIQ	137.1880, 66.7560, 1.6360

Conversions

Conversions Part 2

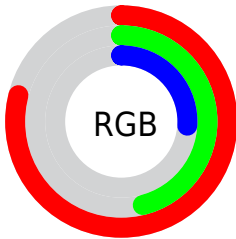
Format	Color
RYB	202, 150, 66
Decimal	13268546
CIELab	57.95, 28.44, 42.08
CIELCh	58, 50.790, 55.954
Yxy	25.9068, 0.4806, 0.3913
Android (android.graphics.Color)	4291458626 (0xFFCA7642)
YUV	137.1880, -35.0957, 56.8401
Hunter-Lab	50.8987, 22.5156, 25.7498

Details

The Yxy color **25.9068, 0.4806, 0.3913** 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 **27.2407, 0.2147, 0.2456**, and the grayscale version is **25.2093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6468, 0.4400, 0.3855**, and **10.0176, 0.5334, 0.3957** is the 20% darker color. If you saturate the color by 10%, you get **22.9633, 0.5134, 0.3936**, and if you desaturate by 10%, it is **29.3259, 0.4478, 0.3852**.

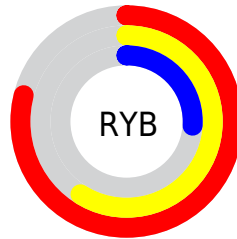
Distribution



Red (79%)

Green (46%)

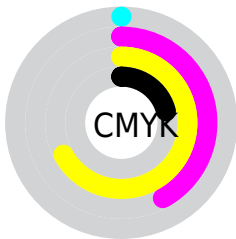
Blue (26%)



Red (79%)

Yellow (59%)

Blue (26%)

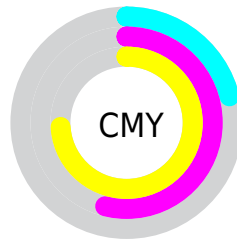


Cyan (0%)

Magenta (42%)

Yellow (67%)

Black (21%)



Cyan (21%)


Magenta (54%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.9068, 0.4806, 0.3913 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 25.9068, 0.4806, 0.3913 by changing the saturation by 10% instead.


 25.9068, 0.4806,
0.3913


 25.9068, 0.4806,
0.3913


282.3243, 0.3903,
0.3648


 16.7539, 0.5037,
0.3947


 53.1246, 0.4470,
0.3836

 10.0592, 0.5327,
0.3965


 71.9582, 0.4345,
0.3801

 5.4382, 0.5728,
0.3961

 94.7876, 0.4241,
0.3768

 2.5066, 0.6182,
0.3818

 121.9971, 0.4152,
0.3739

 0.8799, 0.6635,
0.3365

 153.9712, 0.4076,
0.3713

 0.0000, 1.0000,
0.0000

191.0941, 0.4011,

 0.0000, 0.0000,

0.3689

0.0000

233.7503, 0.3953,
0.3667

■ 25.9068, 0.4806,
0.3913

■ 25.9068, 0.4806,
0.3913

■ 22.9633, 0.5134,
0.3936

■ 29.3259, 0.4478,
0.3852

■ 20.4668, 0.5438,
0.3911

■ 33.2389, 0.4169,
0.3766

■ 18.3898, 0.5692,
0.3835

■ 37.6676, 0.3889,
0.3666

■ 17.8953, 0.5756,
0.3811

■ 42.6314, 0.3642,
0.3562

■ 48.1486, 0.3428,
0.3458

■ 54.2364, 0.3245,
0.3359

■ 60.9113, 0.3087,
0.3266

■ 68.1891, 0.2953,
0.3179

■ 76.0849, 0.2838,
0.3100

Harmonies

Analogous

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



25.9068, 0.4683, 0.3297



25.9068, 0.4806, 0.3913



25.9068, 0.4425, 0.4502

Triad

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



25.9068, 0.4806, 0.3913



25.9068, 0.2205, 0.3899



25.9068, 0.2379, 0.2044

Complementary

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



25.9068, 0.4806, 0.3913



27.2407, 0.2147, 0.2456

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.



25.9068, 0.1879, 0.2045



25.9068, 0.4806, 0.3913



25.9068, 0.1778, 0.2975

Square

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



25.9068, 0.4806, 0.3913



25.9068, 0.2915, 0.4690



25.9068, 0.1678, 0.2336



25.9068, 0.3155, 0.2288

Rectangle

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



25.9068, 0.4806, 0.3913



25.9068, 0.3982, 0.4792



25.9068, 0.1678, 0.2336



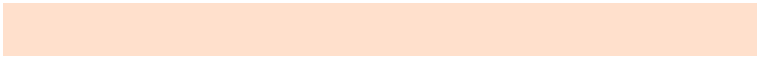
25.9068, 0.2179, 0.2016

Sweetspot

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



25.9081, 0.4806, 0.3913



78.6611, 0.3488, 0.3489



18.7270, 0.3881, 0.2273



16.2635, 0.3549, 0.3518



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.



25.9081, 0.4806, 0.3913



36.7629, 0.5285, 0.3931



47.1759, 0.4176, 0.4641



11.9050, 0.3281, 0.3379



11.6757, 0.5732, 0.3831



0.7479, 0.5367, 0.4121

Inverse Universe

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



27.2407, 0.2147, 0.2456



38.9243, 0.2001, 0.2237



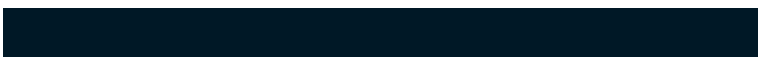
11.7877, 0.1889, 0.1384



11.9785, 0.2983, 0.3199



12.3224, 0.1888, 0.1997



0.7796, 0.1966, 0.2278

Previews

White Background



This preview shows how the Yxy color 25.9068, 0.4806, 0.3913 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 25.9068, 0.4806, 0.3913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

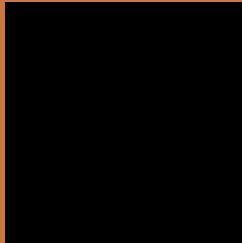
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.9068, 0.4806, 0.3913

Background



This preview shows how black text looks on a background with the Yxy color 25.9068, 0.4806, 0.3913.



This preview shows how white text looks on a background with the Yxy color 25.9068, 0.4806, 0.3913.

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

25.9068, 0.4806, 0.3913

Protanopia

26.1072, 0.3978, 0.4344

Deuteranopia

26.0071, 0.4366, 0.4286



Tritanopia

25.9235, 0.4229, 0.3191

Trichromacy



Original Color

25.9068, 0.4806, 0.3913

Protanomaly

25.6027, 0.4279, 0.4189

Deuteranomaly

25.9876, 0.4535, 0.4152

Tritanomaly

25.7921, 0.4471, 0.3472

Monochromacy



Original Color

25.9068, 0.4806, 0.3913

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.6900, 0.3719, 0.3594

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.9068, 0.4806, 0.3913 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(202, 118, 66)` looks like.

```
.text, #text, p{  
    color:rgb(202, 118, 66)  
}
```

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(202, 118, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 118, 66) }
```

Border

The CSS property to change the border of an element to Yxy 25.9068, 0.4806, 0.3913 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(202, 118, 66) }
```

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

```
.border{ border-color:rgb(202, 118, 66) }
```

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

Here you see how a box with a 4 pixel rgb(202, 118, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 118, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 118, 66);  
box-shadow:4px 4px 4px 4px rgb(202, 118,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 25.9068, 0.4806, 0.3913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 118, 66) }
```

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

```
.background{ background-color: rgb(202,  
118, 66) }
```

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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