

Converting Colors

$Y_{xy}(16.7249, 0.5816, 0.3764)$

Have a look what the booklet for
Yxy(16.7249, 0.5816, 0.3764)
contains.

Yxy(16.7768, 0.5811, 0.3768)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.7768, 0.5811, 0.3768)

Conversions

Conversions Part 1

Format	Color
Hex	C74800
RGB	199, 72, 0
RGB Percent	78%, 28%, 0%
CMY	0.2196, 0.7177, 1.0000
CMYK	0.00, 0.64, 1.00, 0.22
HSL	22°, 100%, 39%
HSV	22°, 100%, 78%
XYZ	25.8731, 16.7768, 1.8745
YIQ	101.7650, 98.8040, 4.5320

Conversions

Conversions Part 2

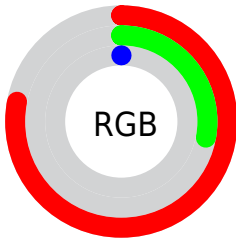
Format	Color
R _Y B	199, 113, 0
Decimal	13060096
CIE Lab	47.98, 48.28, 58.66
CIE LCh	48, 75.977, 50.545
Yxy	16.7768, 0.5811, 0.3768
Android (android.graphics.Color)	4291250176 (0xFFC74800)
YUV	101.7650, -50.1701, 85.2751
Hunter-Lab	40.9595, 41.0751, 25.9583

Details

The Yxy color **16.7768, 0.5811, 0.3768** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **19.3077, 0.1904, 0.2053**, and the grayscale version is **13.3364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2430, 0.5244, 0.3850**, and **5.4513, 0.6325, 0.3360** is the 20% darker color. If you saturate the color by 10%, you get **16.7778, 0.5811, 0.3768**, and if you desaturate by 10%, it is **18.6432, 0.5561, 0.3853**.

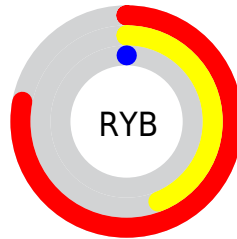
Distribution



Red (78%)

Green (28%)

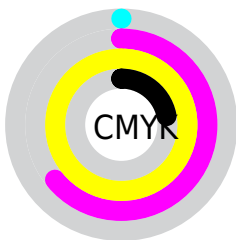
Blue (0%)



Red (78%)

Yellow (44%)

Blue (0%)

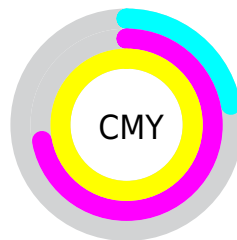


Cyan (0%)

Magenta (64%)

Yellow (100%)

Black (22%)



Cyan (22%)

Magenta (72%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7768, 0.5811, 0.3768 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 16.7768, 0.5811, 0.3768 by changing the saturation by 10% instead.


 16.7768, 0.5811,
0.3768


 16.7768, 0.5811,
0.3768


 233.8828, 0.4365,
0.3720


 10.0755, 0.6151,
0.3675


 37.9416, 0.5296,
0.3827


 5.4490, 0.6525,
0.3475

 53.1739, 0.5095,
0.3824


 2.5131, 0.6908,
0.3092

 72.0186, 0.4924,
0.3812


 0.8832, 0.7501,
0.2499

 94.8602, 0.4779,
0.3795


 0.0000, 1.0000,
0.0000

 122.0830, 0.4653,
0.3777

 0.0000, 0.0000,
0.0000

 154.0715, 0.4544,


0.3757


 191.2100, 0.4449,
0.3738


 16.7768, 0.5811,
0.3768


 16.7768, 0.5811,
0.3768


 16.7778, 0.5811,
0.3768

 18.6432, 0.5561,
0.3853

 20.9188, 0.5260,
0.3895

 23.6403, 0.4925,
0.3888

 26.8339, 0.4586,
0.3840

 30.5231, 0.4263,
0.3764

■ 34.7298, 0.3969,
0.3672

■ 39.4742, 0.3709,
0.3574

■ 44.7755, 0.3484,
0.3475

■ 50.6519, 0.3292,
0.3380

Harmonies

Analogous

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



16.7768, 0.5620, 0.2970



16.7768, 0.5811, 0.3768



16.7768, 0.5125, 0.4722

Triad

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



16.7768, 0.5811, 0.3768



16.7768, 0.1726, 0.4702



16.7768, 0.1766, 0.1408

Complementary

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



16.7768, 0.5811, 0.3768



19.3077, 0.1904, 0.2053

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.



16.7768, 0.1184, 0.1432



16.7768, 0.5811, 0.3768



16.7768, 0.1118, 0.2879

Square

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



16.7768, 0.5811, 0.3768



16.7768, 0.2798, 0.6034



16.7768, 0.0979, 0.1836



16.7768, 0.2858, 0.1686

Rectangle

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



16.7768, 0.5811, 0.3768



16.7768, 0.4406, 0.5413



16.7768, 0.0979, 0.1836



16.7768, 0.1522, 0.1382

Sweetspot

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



16.7778, 0.5811, 0.3768



68.7211, 0.3720, 0.3578



13.7384, 0.4346, 0.2168



13.9273, 0.3827, 0.3621



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.



16.7778, 0.5811, 0.3768



28.9573, 0.5836, 0.3748



40.5796, 0.4486, 0.4820



11.2546, 0.3281, 0.3374



10.9396, 0.5786, 0.3788



0.6554, 0.5387, 0.4105

Inverse Universe

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



19.3077, 0.1904, 0.2053



33.3265, 0.1898, 0.2034



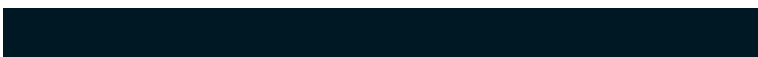
5.0452, 0.1533, 0.0718



11.3972, 0.2984, 0.3204



12.5847, 0.1909, 0.2072



0.7298, 0.1988, 0.2355

Previews

White Background



This preview shows how the Yxy color 16.7768, 0.5811, 0.3768 looks on a white 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

Black Background



This preview shows how the Yxy color 16.7768, 0.5811, 0.3768 looks on a black 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

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

Yxy 16.7768, 0.5811, 0.3768

Background



This preview shows how black text looks on a background with the Yxy color 16.7768, 0.5811, 0.3768.



This preview shows how white text looks on a background with the Yxy color 16.7768, 0.5811, 0.3768.

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

16.7768, 0.5811, 0.3768

Protanopia

16.9791, 0.4322, 0.4793

Deuteranopia

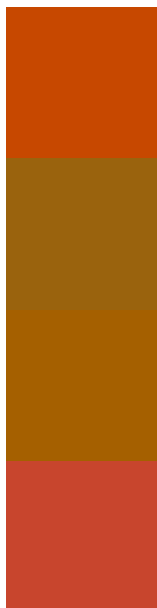
16.9570, 0.4701, 0.4649



Tritanopia

16.7486, 0.5237, 0.3253

Trichromacy



Original Color

16.7768, 0.5811, 0.3768

Protanomaly

15.8228, 0.4937, 0.4374

Deuteranomaly

16.3651, 0.5159, 0.4286

Tritanomaly

16.7251, 0.5567, 0.3524

Monochromacy



Original Color

16.7768, 0.5811, 0.3768

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.1822, 0.4295, 0.3772

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7768, 0.5811, 0.3768 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, 72, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 72, 0)  
}
```

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, 72, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 72, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.7768, 0.5811, 0.3768 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, 72, 0) }
```

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

```
.border{ border-color:rgb(199, 72, 0) }
```

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

Here you see how a box with a 4 pixel rgb(199, 72, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 72, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 72, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 72, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.7768, 0.5811, 0.3768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 72, 0) }
```

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

```
.background{ background-color: rgb(199, 72,  
0) }
```

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