

Converting Colors

$Yxy(17.6014, 0.5874, 0.3718)$

Have a look what the booklet for
Yxy(17.6014, 0.5874, 0.3718)
contains.

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Color

Yxy(17.6457, 0.5878, 0.3715)

Conversions

Conversions Part 1

Format	Color
Hex	CF4600
RGB	207, 70, 0
RGB Percent	81%, 27%, 0%
CMY	0.1883, 0.7254, 1.0000
CMYK	0.00, 0.66, 1.00, 0.19
HSL	20°, 100%, 41%
HSV	20°, 100%, 81%
XYZ	27.9196, 17.6457, 1.9332
YIQ	102.9830, 104.1220, 7.2740

Conversions

Conversions Part 2

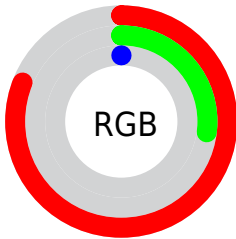
Format	Color
R_{YB}	207, 106, 0
Decimal	13583872
CIE Lab	49.06, 51.93, 60.00
CIE LCh	49, 79.353, 49.126
Yxy	17.6457, 0.5878, 0.3715
Android (android.graphics.Color)	4291773952 (0xFFCF4600)
YUV	102.9830, -50.7706, 91.2229
Hunter-Lab	42.0068, 45.1274, 26.6762

Details

The Yxy color **17.6457, 0.5878, 0.3715** 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 **22.3855, 0.1926, 0.2135**, and the grayscale version is **13.6777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9911, 0.5254, 0.3840**, and **5.9293, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.6468, 0.5878, 0.3715**, and if you desaturate by 10%, it is **19.6139, 0.5625, 0.3803**.

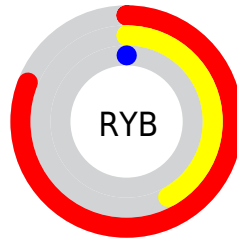
Distribution



Red (81%)

Green (27%)

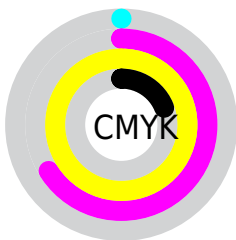
Blue (0%)



Red (81%)

Yellow (42%)

Blue (0%)

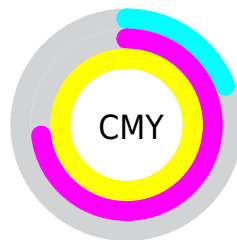


Cyan (0%)

Magenta (66%)

Yellow (100%)

Black (19%)



Cyan (19%)


Magenta (73%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6457, 0.5878, 0.3715 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 17.6457, 0.5878, 0.3715 by changing the saturation by 10% instead.


 17.6457, 0.5878,
0.3715

 17.6457, 0.5878,
0.3715

 238.8664, 0.4410,
0.3707


 10.6959, 0.6215,
0.3612

 39.4327, 0.5359,
0.3790


 5.8628, 0.6593,
0.3407

 55.0387, 0.5156,
0.3792

 2.7618, 0.6975,
0.3025

 74.2988, 0.4982,
0.3785

 1.0087, 0.7552,
0.2448

 97.5976, 0.4834,
0.3772

 0.0000, 1.0000,
0.0000

 125.3193, 0.4705,
0.3757

 0.0000, 0.0000,
0.0000


 157.8484, 0.4594,


0.3740


 195.5693, 0.4496,
0.3724


 17.6457, 0.5878,
0.3715


 17.6457, 0.5878,
0.3715


 17.6468, 0.5878,
0.3715

 19.6139, 0.5625,
0.3803

 22.0530, 0.5315,
0.3849

 25.0059, 0.4969,
0.3847

 28.5039, 0.4617,
0.3805

 32.5751, 0.4284,
0.3735

■ 37.2457, 0.3982,
0.3649

■ 42.5400, 0.3716,
0.3557

■ 48.4808, 0.3488,
0.3464

■ 55.0898, 0.3293,
0.3374

Harmonies

Analogous

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



17.6457, 0.5643, 0.2917



17.6457, 0.5878, 0.3715



17.6457, 0.5198, 0.4679

Triad

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



17.6457, 0.5878, 0.3715



17.6457, 0.1732, 0.4839



17.6457, 0.1700, 0.1371

Complementary

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



17.6457, 0.5878, 0.3715



22.3855, 0.1926, 0.2135

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.



17.6457, 0.1135, 0.1407



17.6457, 0.5878, 0.3715



17.6457, 0.1097, 0.2934

Square

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



17.6457, 0.5878, 0.3715



17.6457, 0.2831, 0.6134



17.6457, 0.0943, 0.1834



17.6457, 0.2783, 0.1637

Rectangle

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



17.6457, 0.5878, 0.3715



17.6457, 0.4470, 0.5397



17.6457, 0.0943, 0.1834



17.6457, 0.1462, 0.1348

Sweetspot

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



17.6468, 0.5878, 0.3715



67.8610, 0.3725, 0.3560



15.0983, 0.4284, 0.2133



13.7267, 0.3835, 0.3600



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.



17.6468, 0.5878, 0.3715



27.9581, 0.5899, 0.3698



42.9553, 0.4524, 0.4790



12.4526, 0.3282, 0.3369



11.2777, 0.5853, 0.3735



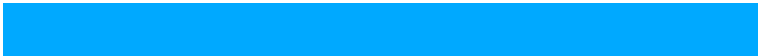
0.7761, 0.5494, 0.4019

Inverse Universe

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



22.3855, 0.1926, 0.2135



35.4971, 0.1922, 0.2120



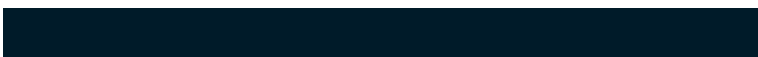
5.6771, 0.1538, 0.0737



12.7053, 0.2983, 0.3210



14.2869, 0.1931, 0.2152



0.9425, 0.1996, 0.2385

Previews

White Background



This preview shows how the Yxy color 17.6457, 0.5878, 0.3715 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 17.6457, 0.5878, 0.3715 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 17.6457, 0.5878, 0.3715

Background



This preview shows how black text looks on a background with the Yxy color 17.6457, 0.5878, 0.3715.



This preview shows how white text looks on a background with the Yxy color 17.6457, 0.5878, 0.3715.

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

17.6457, 0.5878, 0.3715

Protanopia

17.9203, 0.4312, 0.4788

Deuteranopia

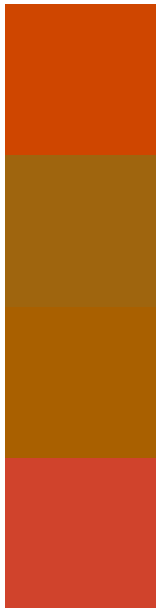
17.6648, 0.4706, 0.4645



Tritanopia

17.6202, 0.5356, 0.3257

Trichromacy



Original Color

17.6457, 0.5878, 0.3715

Protanomaly

16.7100, 0.4959, 0.4354

Deuteranomaly

16.8008, 0.5201, 0.4253

Tritanomaly

17.6061, 0.5654, 0.3496

Monochromacy



Original Color

17.6457, 0.5878, 0.3715

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.5382, 0.4341, 0.3741

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6457, 0.5878, 0.3715 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(207, 70, 0)` looks like.

```
.text, #text, p{  
    color:rgb(207, 70, 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(207, 70, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 70, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.6457, 0.5878, 0.3715 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(207, 70, 0) }
```

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

```
.border{ border-color:rgb(207, 70, 0) }
```

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

Here you see how a box with a 4 pixel rgb(207, 70, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 70, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 70, 0);  
box-shadow:4px 4px 4px 4px rgb(207, 70, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.6457, 0.5878, 0.3715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 70, 0) }
```

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

```
.background{ background-color: rgb(207, 70,  
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](#).

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