

Converting Colors

$Yxy(17.5776, 0.5677, 0.3875)$

Have a look what the booklet for
Yxy(17.5776, 0.5677, 0.3875)
contains.

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Color

Yxy(17.4731, 0.5680, 0.3872)

Conversions

Conversions Part 1

Format	Color
Hex	C45000
RGB	196, 80, 0
RGB Percent	77%, 31%, 0%
CMY	0.2314, 0.6862, 1.0000
CMYK	0.00, 0.59, 1.00, 0.23
HSL	24°, 100%, 38%
HSV	24°, 100%, 77%
XYZ	25.6320, 17.4731, 2.0217
YIQ	105.5640, 94.8160, -0.2880

Conversions

Conversions Part 2

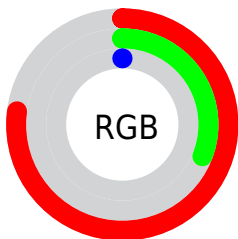
Format	Color
R _Y B	196, 135, 0
Decimal	12865536
CIE Lab	48.85, 43.51, 58.85
CIE LCh	49, 73.188, 53.525
Yxy	17.4731, 0.5680, 0.3872
Android (android.graphics.Color)	4291055616 (0xFFC45000)
YUV	105.5640, -52.0431, 79.3124
Hunter-Lab	41.8008, 36.3037, 26.3930

Details

The Yxy color **17.4731, 0.5680, 0.3872** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **16.4712, 0.1858, 0.1888**, and the grayscale version is **14.4147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3613, 0.5156, 0.3921**, and **5.8071, 0.6148, 0.3500** is the 20% darker color. If you saturate the color by 10%, you get **17.4738, 0.5680, 0.3872**, and if you desaturate by 10%, it is **19.3711, 0.5442, 0.3951**.

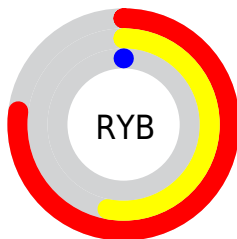
Distribution



Red (77%)

Green (31%)

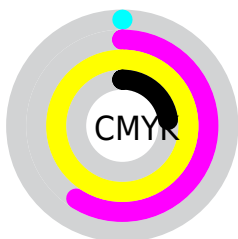
Blue (0%)



Red (77%)

Yellow (53%)

Blue (0%)

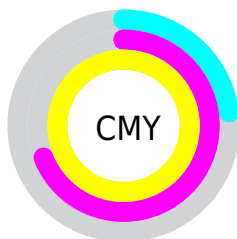


Cyan (0%)

Magenta (59%)

Yellow (100%)

Black (23%)



Cyan (23%)


Magenta (69%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 17.4731, 0.5680, 0.3872 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 17.4731, 0.5680, 0.3872 by changing the saturation by 10% instead.


 17.4731, 0.5680,
0.3872

 17.4731, 0.5680,
0.3872


 237.8842, 0.4311,
0.3753


 10.5724, 0.5995,
0.3800


 39.1374, 0.5193,
0.3900


 5.7801, 0.6360,
0.3640

 54.6698, 0.5003,
0.3887


 2.7118, 0.6709,
0.3291

 73.8482, 0.4842,
0.3867

 0.9832, 0.7255,
0.2745

 97.0570, 0.4704,
0.3844


 0.0000, 1.0000,
0.0000


 124.6806, 0.4584,
0.3820


 0.0000, 0.0000,
0.0000


 157.1034, 0.4481,


0.3797


 194.7098, 0.4391,
0.3774


 17.4731, 0.5680,
0.3872


 17.4731, 0.5680,
0.3872


 17.4738, 0.5680,
0.3872

 19.3711, 0.5442,
0.3951

 21.6248, 0.5161,
0.3985

 24.2661, 0.4849,
0.3968

 27.3162, 0.4532,
0.3910

 30.7945, 0.4228,
0.3823

■ 34.7189, 0.3948,
0.3719

■ 39.1060, 0.3698,
0.3609

■ 43.9715, 0.3479,
0.3498

■ 49.3303, 0.3290,
0.3391

Harmonies

Analogous

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



17.4731, 0.5574, 0.3076



17.4731, 0.5680, 0.3872



17.4731, 0.4979, 0.4800

Triad

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



17.4731, 0.5680, 0.3872



17.4731, 0.1711, 0.4444



17.4731, 0.1900, 0.1483

Complementary

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



17.4731, 0.5680, 0.3872



16.4712, 0.1858, 0.1888

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.



17.4731, 0.1284, 0.1479



17.4731, 0.5680, 0.3872



17.4731, 0.1158, 0.2776

Square

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



17.4731, 0.5680, 0.3872



17.4731, 0.2725, 0.5828



17.4731, 0.1051, 0.1837



17.4731, 0.3008, 0.1784

Rectangle

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



17.4731, 0.5680, 0.3872



17.4731, 0.4277, 0.5439



17.4731, 0.1051, 0.1837



17.4731, 0.1645, 0.1448

Sweetspot

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



17.4741, 0.5680, 0.3872



70.4549, 0.3709, 0.3614



13.0331, 0.4547, 0.2278



14.3331, 0.3813, 0.3662



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.



17.4741, 0.5680, 0.3872



31.1814, 0.5706, 0.3851



42.9393, 0.4381, 0.4903



10.7380, 0.3279, 0.3384



11.3889, 0.5655, 0.3891



0.6275, 0.5253, 0.4211

Inverse Universe

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



16.4712, 0.1858, 0.1888



29.3200, 0.1852, 0.1866



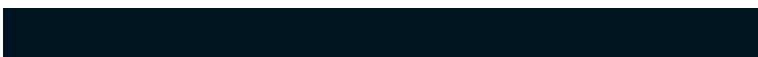
4.4715, 0.1518, 0.0665



10.7165, 0.2984, 0.3194



10.7570, 0.1864, 0.1909



0.5975, 0.1959, 0.2250

Previews

White Background



This preview shows how the Yxy color 17.4731, 0.5680, 0.3872 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 17.4731, 0.5680, 0.3872 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 17.4731, 0.5680, 0.3872

Background



This preview shows how black text looks on a background with the Yxy color 17.4731, 0.5680, 0.3872.



This preview shows how white text looks on a background with the Yxy color 17.4731, 0.5680, 0.3872.

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

17.4731, 0.5680, 0.3872

Protanopia

17.6751, 0.4340, 0.4796

Deuteranopia

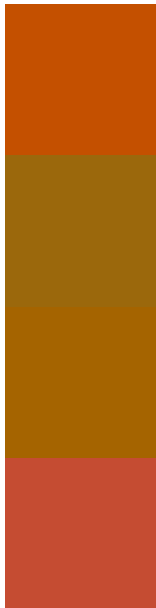
17.5719, 0.4694, 0.4655



Tritanopia

17.4678, 0.5032, 0.3238

Trichromacy



Original Color

17.4731, 0.5680, 0.3872

Protanomaly

16.8957, 0.4869, 0.4439

Deuteranomaly

17.1137, 0.5091, 0.4340

Tritanomaly

17.2695, 0.5407, 0.3566

Monochromacy



Original Color

17.4731, 0.5680, 0.3872

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.4436, 0.4234, 0.3838

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4731, 0.5680, 0.3872 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(196, 80, 0)` looks like.

```
.text, #text, p{  
    color:rgb(196, 80, 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(196, 80, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 80, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.4731, 0.5680, 0.3872 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(196, 80, 0) }
```

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

```
.border{ border-color:rgb(196, 80, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 80, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 80, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 80, 0);  
box-shadow:4px 4px 4px 4px rgb(196, 80, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.4731, 0.5680, 0.3872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 80, 0) }
```

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

```
.background{ background-color: rgb(196, 80,  
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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