

Converting Colors

$Y_{xy}(18.7008, 0.5458, 0.3888)$

Have a look what the booklet for
Yxy(18.7008, 0.5458, 0.3888)
contains.

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Color

Yxy(18.6517, 0.5456, 0.3889)

Conversions

Conversions Part 1

Format	Color
Hex	C35819
RGB	195, 88, 25
RGB Percent	76%, 35%, 10%
CMY	0.2354, 0.6548, 0.9019
CMYK	0.00, 0.55, 0.87, 0.24
HSL	22°, 77%, 43%
HSV	22°, 87%, 76%
XYZ	26.1671, 18.6517, 3.1414
YIQ	112.8110, 83.9950, 3.0910

Conversions

Conversions Part 2

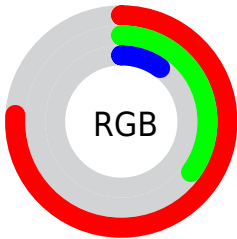
Format	Color
RYB	195, 125, 25
Decimal	12802073
CIELab	50.28, 39.59, 52.93
CIELCh	50, 66.099, 53.204
Yxy	18.6517, 0.5456, 0.3889
Android (android.graphics.Color)	4290992153 (0xFFC35819)
YUV	112.8110, -43.2908, 72.0798
Hunter-Lab	43.1876, 32.5735, 25.9187

Details

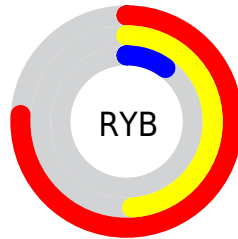
The Yxy color **18.6517, 0.5456, 0.3889** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed red. A complement of this color would be **20.6407, 0.1973, 0.2201**, and the grayscale version is **16.5690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5380, 0.4974, 0.3883**, and **6.3915, 0.5974, 0.3639** is the 20% darker color. If you saturate the color by 10%, you get **16.7463, 0.5715, 0.3814**, and if you desaturate by 10%, it is **20.9556, 0.5146, 0.3915**.

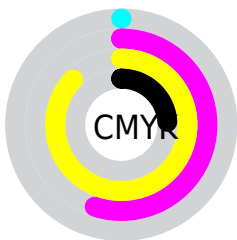
Distribution



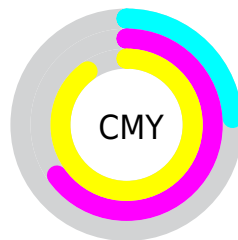
- Red (76%)
- Green (35%)
- Blue (10%)



- Red (76%)
- Yellow (49%)
- Blue (10%)



- Cyan (0%)
- Magenta (55%)
- Yellow (87%)
- Black (24%)





- Cyan (24%)
- Magenta (65%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6517, 0.5456, 0.3889 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 18.6517, 0.5456, 0.3889 by changing the saturation by 10% instead.


 18.6517, 0.5456,
0.3889


 18.6517, 0.5456,
0.3889


244.5191, 0.4189,
0.3713


 11.4189, 0.5758,
0.3849


 41.1447, 0.4993,
0.3878


 6.3493, 0.6207,
0.3793


 57.1737, 0.4817,
0.3856


 3.0586, 0.6516,
0.3484

 76.9035, 0.4669,
0.3831

 1.1624, 0.7003,
0.2997

 100.7186, 0.4543,
0.3805


 0.0307, 0.9704,
0.0296


 129.0033, 0.4435,
0.3780


 0.0000, 0.0000,
0.0000


 162.1420, 0.4342,


0.3756


 200.5192, 0.4260,
0.3734


 18.6517, 0.5456,
0.3889


 18.6517, 0.5456,
0.3889


 16.7463, 0.5715,
0.3814


 20.9556, 0.5146,
0.3915

 16.2705, 0.5784,
0.3789

 23.6824, 0.4813,
0.3892

 26.8565, 0.4481,
0.3833

 30.4990, 0.4169,
0.3750

 34.6297, 0.3887,
0.3653

■ 39.2669, 0.3640,
0.3552

■ 44.4280, 0.3426,
0.3451

■ 50.1295, 0.3242,
0.3355

■ 56.3872, 0.3085,
0.3265

Harmonies

Analogous

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



18.6517, 0.5303, 0.3129



18.6517, 0.5456, 0.3889



18.6517, 0.4874, 0.4729

Triad

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



18.6517, 0.5456, 0.3889



18.6517, 0.1877, 0.4321



18.6517, 0.2009, 0.1627

Complementary

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



18.6517, 0.5456, 0.3889



20.6407, 0.1973, 0.2201

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.



18.6517, 0.1428, 0.1633



18.6517, 0.5456, 0.3889



18.6517, 0.1333, 0.2874

Square

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



18.6517, 0.5456, 0.3889



18.6517, 0.2827, 0.5501



18.6517, 0.1211, 0.1993



18.6517, 0.3020, 0.1908

Rectangle

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



18.6517, 0.5456, 0.3889



18.6517, 0.4254, 0.5268



18.6517, 0.1211, 0.1993



18.6517, 0.1770, 0.1595

Sweetspot

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



18.6527, 0.5456, 0.3889



71.0203, 0.3622, 0.3544



13.9792, 0.4203, 0.2171



14.8812, 0.3705, 0.3580



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.



18.6527, 0.5456, 0.3889



28.7116, 0.5811, 0.3768



41.2954, 0.4374, 0.4819



10.6759, 0.3280, 0.3376



10.7261, 0.5760, 0.3809



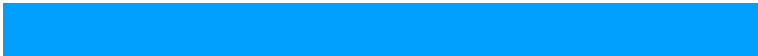
0.5958, 0.5336, 0.4145

Inverse Universe

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



20.6407, 0.1973, 0.2201



31.8062, 0.1890, 0.2002



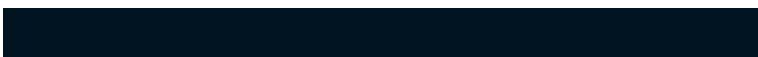
6.2336, 0.1619, 0.0894



10.7804, 0.2984, 0.3203



11.8867, 0.1901, 0.2042



0.6419, 0.1987, 0.2352

Previews

White Background



This preview shows how the Yxy color 18.6517, 0.5456, 0.3889 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 18.6517, 0.5456, 0.3889 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 18.6517, 0.5456, 0.3889

Background



This preview shows how black text looks on a background with the Yxy color 18.6517, 0.5456, 0.3889.



This preview shows how white text looks on a background with the Yxy color 18.6517, 0.5456, 0.3889.

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

18.6517, 0.5456, 0.3889

Protanopia

18.9354, 0.4251, 0.4707

Deuteranopia

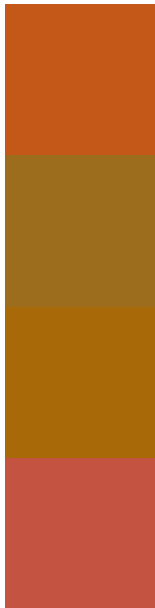
18.7100, 0.4708, 0.4644



Tritanopia

18.6095, 0.4813, 0.3221

Trichromacy



Original Color

18.6517, 0.5456, 0.3889

Protanomaly

18.1991, 0.4723, 0.4384

Deuteranomaly

18.4477, 0.5012, 0.4351

Tritanomaly

18.4581, 0.5122, 0.3516

Monochromacy



Original Color

18.6517, 0.5456, 0.3889

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.3343, 0.4028, 0.3704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6517, 0.5456, 0.3889 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(195, 88, 25)` looks like.

```
.text, #text, p{  
  color:rgb(195, 88, 25)  
}
```

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(195, 88, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 88, 25) }
```

Border

The CSS property to change the border of an element to Yxy 18.6517, 0.5456, 0.3889 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(195, 88, 25) }
```

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

```
.border{ border-color:rgb(195, 88, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 88, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 88, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 88, 25);  
box-shadow:4px 4px 4px 4px rgb(195, 88,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6517, 0.5456, 0.3889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 88, 25) }
```

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

```
.background{ background-color: rgb(195, 88,  
25) }
```

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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