

Converting Colors

$Y_{xy}(18.0060, 0.5535, 0.3987)$

Have a look what the booklet for
Yxy(18.0060, 0.5535, 0.3987)
contains.

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Color

Yxy(18.0558, 0.5526, 0.3995)

Conversions

Conversions Part 1

Format	Color
Hex	BF5800
RGB	191, 88, 0
RGB Percent	75%, 35%, 0%
CMY	0.2510, 0.6549, 1.0000
CMYK	0.00, 0.54, 1.00, 0.25
HSL	28°, 100%, 37%
HSV	28°, 100%, 75%
XYZ	24.9753, 18.0558, 2.1649
YIQ	108.7650, 89.6360, -5.5320

Conversions

Conversions Part 2

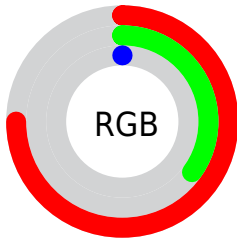
Format	Color
R_{YB}	191, 163, 0
Decimal	12539904
CIE Lab	49.56, 37.65, 58.86
CIE LCh	50, 69.871, 57.393
Yxy	18.0558, 0.5526, 0.3995
Android (android.graphics.Color)	4290729984 (0xFFBF5800)
YUV	108.7650, -53.6211, 72.1201
Hunter-Lab	42.4921, 30.5545, 26.7238

Details

The Yxy color **18.0558, 0.5526, 0.3995** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **13.4609, 0.1808, 0.1707**, and the grayscale version is **15.3597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1639, 0.5072, 0.3987**, and **6.1321, 0.5930, 0.3673** is the 20% darker color. If you saturate the color by 10%, you get **18.0571, 0.5525, 0.3995**, and if you desaturate by 10%, it is **19.9167, 0.5305, 0.4064**.

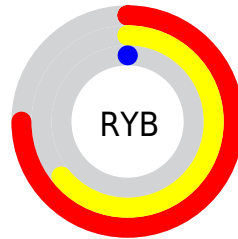
Distribution



Red (75%)

Green (35%)

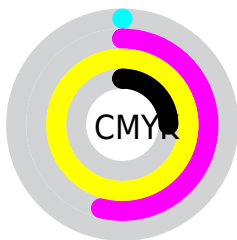
Blue (0%)



Red (75%)

Yellow (64%)

Blue (0%)

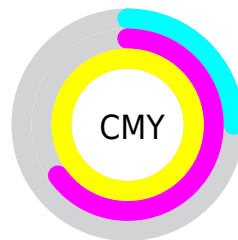


Cyan (0%)

Magenta (54%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (65%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0558, 0.5526, 0.3995 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 18.0558, 0.5526, 0.3995 by changing the saturation by 10% instead.


 18.0558, 0.5526,
0.3995


 18.0558, 0.5526,
0.3995

241.1854, 0.4245,
0.3791


 10.9901, 0.5816,
0.3949


 40.1324, 0.5072,
0.3986


 6.0602, 0.6167,
0.3833

 55.9120, 0.4894,
0.3961


 2.8817, 0.6475,
0.3525

 75.3651, 0.4743,
0.3931

 1.0703, 0.6966,
0.3034

 98.8759, 0.4613,
0.3901

 0.0000, 1.0000,
0.0000


 126.8290, 0.4502,
0.3871

 0.0000, 0.0000,
0.0000


 159.6087, 0.4405,


0.3843


 197.5993, 0.4320,
0.3816

 18.0558, 0.5526,
0.3995

 18.0558, 0.5526,
0.3995

 18.0571, 0.5525,
0.3995

 19.9167, 0.5305,
0.4064

 22.0711, 0.5048,
0.4086

 24.5460, 0.4764,
0.4058

 27.3584, 0.4472,
0.3987

 30.5234, 0.4188,
0.3888

■ 34.0551, 0.3924,
0.3772

■ 37.9667, 0.3686,
0.3648

■ 42.2703, 0.3474,
0.3524

■ 46.9778, 0.3288,
0.3404

Harmonies

Analogous

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



18.0558, 0.5520, 0.3202



18.0558, 0.5526, 0.3995



18.0558, 0.4809, 0.4893

Triad

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



18.0558, 0.5526, 0.3995



18.0558, 0.1687, 0.4157



18.0558, 0.2065, 0.1573

Complementary

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



18.0558, 0.5526, 0.3995



13.4609, 0.1808, 0.1707

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.



18.0558, 0.1408, 0.1532



18.0558, 0.5526, 0.3995



18.0558, 0.1202, 0.2660

Square

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



18.0558, 0.5526, 0.3995



18.0558, 0.2628, 0.5572



18.0558, 0.1136, 0.1836



18.0558, 0.3190, 0.1903

Rectangle

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



18.0558, 0.5526, 0.3995



18.0558, 0.4125, 0.5464



18.0558, 0.1136, 0.1836



18.0558, 0.1796, 0.1526

Sweetspot

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



18.0571, 0.5525, 0.3995



67.6493, 0.3696, 0.3654



12.0975, 0.4752, 0.2392



14.1830, 0.3795, 0.3707



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.0571, 0.5525, 0.3995



31.8659, 0.5550, 0.3975



44.3080, 0.4283, 0.4981



10.2413, 0.3277, 0.3396



12.0243, 0.5503, 0.4012



0.6019, 0.5111, 0.4324

Inverse Universe

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



13.4609, 0.1808, 0.1707



23.6161, 0.1801, 0.1682



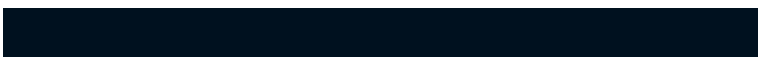
3.9689, 0.1508, 0.0630



10.0545, 0.2984, 0.3182



9.0089, 0.1814, 0.1729



0.4824, 0.1927, 0.2138

Previews

White Background



This preview shows how the Yxy color 18.0558, 0.5526, 0.3995 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 18.0558, 0.5526, 0.3995 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 18.0558, 0.5526, 0.3995

Background



This preview shows how black text looks on a background with the Yxy color 18.0558, 0.5526, 0.3995.



This preview shows how white text looks on a background with the Yxy color 18.0558, 0.5526, 0.3995.

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

18.0558, 0.5526, 0.3995

Protanopia

18.3025, 0.4347, 0.4813

Deuteranopia

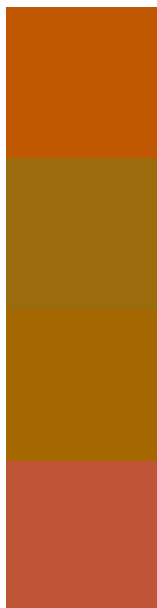
18.2943, 0.4699, 0.4651



Tritanopia

18.0602, 0.4783, 0.3232

Trichromacy



Original Color

18.0558, 0.5526, 0.3995

Protanomaly

17.7178, 0.4808, 0.4497

Deuteranomaly

17.9000, 0.5023, 0.4393

Tritanomaly

17.8230, 0.5211, 0.3628

Monochromacy



Original Color

18.0558, 0.5526, 0.3995

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.2260, 0.4166, 0.3874

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0558, 0.5526, 0.3995 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(191, 88, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 88, 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(191, 88, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 88, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.0558, 0.5526, 0.3995 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(191, 88, 0) }
```

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

```
.border{ border-color:rgb(191, 88, 0) }
```

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

Here you see how a box with a 4 pixel rgb(191, 88, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 88, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 88, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 88, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.0558, 0.5526, 0.3995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 88, 0) }
```

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

```
.background{ background-color: rgb(191, 88,  
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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