

Converting Colors

$Y_{xy}(18.8581, 0.5309, 0.4166)$

Have a look what the booklet for
Yxy(18.8581, 0.5309, 0.4166)
contains.

Yxy(18.9257, 0.5311, 0.4165)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.9257, 0.5311, 0.4165)

Conversions

Conversions Part 1

Format	Color
Hex	B86200
RGB	184, 98, 0
RGB Percent	72%, 38%, 0%
CMY	0.2785, 0.6156, 1.0000
CMYK	0.00, 0.47, 1.00, 0.28
HSL	32°, 100%, 36%
HSV	32°, 100%, 72%
XYZ	24.1331, 18.9257, 2.3810
YIQ	112.5420, 82.7140, -12.2460

Conversions

Conversions Part 2

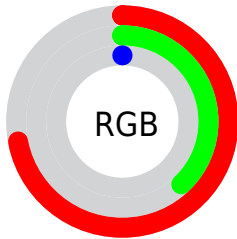
Format	Color
R_{YB}	161, 184, 0
Decimal	12083712
CIE Lab	50.60, 29.54, 58.90
CIE LCh	51, 65.893, 63.362
Yxy	18.9257, 0.5311, 0.4165
Android (android.graphics.Color)	4290273792 (0xFFB86200)
YUV	112.5420, -55.4832, 62.6687
Hunter-Lab	43.5037, 22.8891, 27.2075

Details

The Yxy color **18.9257, 0.5311, 0.4165** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **10.1130, 0.1742, 0.1471**, and the grayscale version is **16.5209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.7644, 0.4897, 0.4106**, and **6.5663, 0.5631, 0.3911** is the 20% darker color. If you saturate the color by 10%, you get **18.9263, 0.5311, 0.4165**, and if you desaturate by 10%, it is **20.6683, 0.5119, 0.4216**.

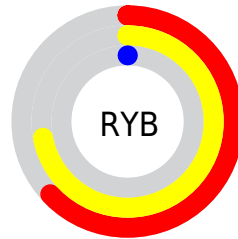
Distribution



Red (72%)

Green (38%)

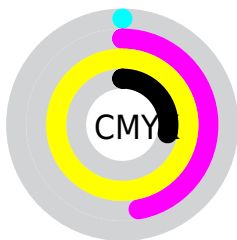
Blue (0%)



Red (63%)

Yellow (72%)

Blue (0%)

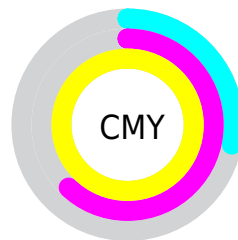


Cyan (0%)

Magenta (47%)

Yellow (100%)

Black (28%)



Cyan (28%)


Magenta (62%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9257, 0.5311, 0.4165 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 18.9257, 0.5311, 0.4165 by changing the saturation by 10% instead.


 18.9257, 0.5311,
0.4165


 18.9257, 0.5311,
0.4165


246.0383, 0.4155,
0.3844

 11.6166, 0.5566,
0.4156


 41.6085, 0.4903,
0.4105

 6.4832, 0.5892,
0.4108


 57.7510, 0.4743,
0.4063


 3.1411, 0.6140,
0.3860

 77.6068, 0.4606,
0.4020

 1.2058, 0.6541,
0.3459

 101.5602, 0.4489,
0.3979


 0.0664, 0.9219,
0.0781


 129.9957, 0.4388,
0.3941


 0.0000, 0.0000,
0.0000


 163.2976, 0.4300,


0.3906


 201.8503, 0.4223,
0.3874


 18.9257, 0.5311,
0.4165


 18.9257, 0.5311,
0.4165


 18.9263, 0.5311,
0.4165

 20.6683, 0.5119,
0.4216

 22.6304, 0.4897,
0.4222

 24.8336, 0.4650,
0.4177

 27.2904, 0.4391,
0.4091

 30.0121, 0.4135,
0.3975

■ 33.0088, 0.3892,
0.3842

■ 36.2899, 0.3668,
0.3700

■ 39.8645, 0.3466,
0.3559

■ 43.7409, 0.3286,
0.3421

Harmonies

Analogous

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



18.9257, 0.5439, 0.3381



18.9257, 0.5311, 0.4165



18.9257, 0.4569, 0.5006

Triad

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



18.9257, 0.5311, 0.4165



18.9257, 0.1650, 0.3791



18.9257, 0.2308, 0.1700

Complementary

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



18.9257, 0.5311, 0.4165



10.1130, 0.1742, 0.1471

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.



18.9257, 0.1589, 0.1606



18.9257, 0.5311, 0.4165



18.9257, 0.1261, 0.2512

Square

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



18.9257, 0.5311, 0.4165



18.9257, 0.2481, 0.5199



18.9257, 0.1257, 0.1833



18.9257, 0.3446, 0.2071

Rectangle

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



18.9257, 0.5311, 0.4165



18.9257, 0.3902, 0.5467



18.9257, 0.1257, 0.1833



18.9257, 0.2020, 0.1637

Sweetspot

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



18.9267, 0.5311, 0.4165



65.4810, 0.3679, 0.3708



10.9093, 0.5029, 0.2544



13.5685, 0.3771, 0.3767



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



18.9267, 0.5311, 0.4165



33.8295, 0.5334, 0.4147



44.0911, 0.4164, 0.5075



9.7830, 0.3275, 0.3412



13.1883, 0.5294, 0.4179



0.5876, 0.4937, 0.4462

Inverse Universe

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



10.1130, 0.1742, 0.1471



17.8647, 0.1734, 0.1442



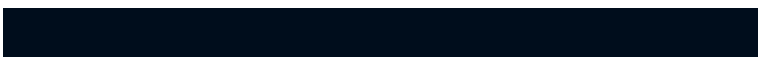
3.4802, 0.1505, 0.0603



9.3928, 0.2985, 0.3165



7.1095, 0.1748, 0.1493



0.3747, 0.1885, 0.1987

Previews

White Background



This preview shows how the Yxy color 18.9257, 0.5311, 0.4165 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 18.9257, 0.5311, 0.4165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

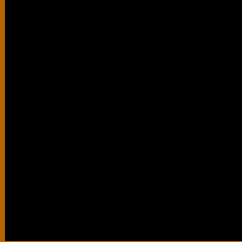
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9257, 0.5311, 0.4165

Background



This preview shows how black text looks on a background with the Yxy color 18.9257, 0.5311, 0.4165.



This preview shows how white text looks on a background with the Yxy color 18.9257, 0.5311, 0.4165.

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

18.9257, 0.5311, 0.4165

Protanopia

19.0276, 0.4366, 0.4819

Deuteranopia

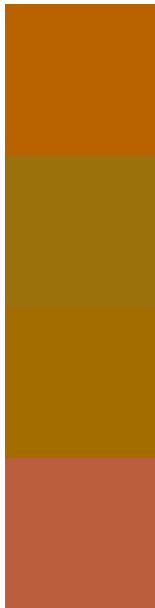
19.0338, 0.4704, 0.4647



Tritanopia

18.9288, 0.4467, 0.3198

Trichromacy



Original Color

18.9257, 0.5311, 0.4165

Protanomaly

18.7022, 0.4719, 0.4576

Deuteranomaly

18.8298, 0.4930, 0.4468

Tritanomaly

18.7923, 0.4948, 0.3701

Monochromacy



Original Color

18.9257, 0.5311, 0.4165

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.6820, 0.4061, 0.3943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9257, 0.5311, 0.4165 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(184, 98, 0)` looks like.

```
.text, #text, p{  
    color:rgb(184, 98, 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(184, 98, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 98, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.9257, 0.5311, 0.4165 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(184, 98, 0) }
```

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

```
.border{ border-color:rgb(184, 98, 0) }
```

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

Here you see how a box with a 4 pixel rgb(184, 98, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 98, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 98, 0);  
box-shadow:4px 4px 4px 4px rgb(184, 98, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.9257, 0.5311, 0.4165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 98, 0) }
```

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

```
.background{ background-color: rgb(184, 98,  
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