

Converting Colors

$Y_{xy}(18.8317, 0.5492, 0.4282)$

Have a look what the booklet for
Yxy(18.8317, 0.5492, 0.4282)
contains.

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Color

Yxy(18.9885, 0.5345, 0.4138)

Conversions

Conversions Part 1

Format	Color
Hex	BA6100
RGB	186, 97, 0
RGB Percent	73%, 38%, 0%
CMY	0.2705, 0.6196, 1.0000
CMYK	0.00, 0.48, 1.00, 0.27
HSL	31°, 100%, 36%
HSV	31°, 100%, 73%
XYZ	24.5272, 18.9885, 2.3724
YIQ	112.5530, 84.1810, -11.2990

Conversions

Conversions Part 2

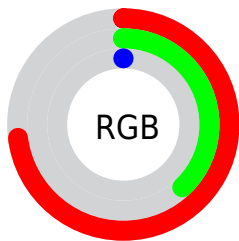
Format	Color
R_{YB}	171, 186, 0
Decimal	12214528
CIE _{Lab}	50.67, 30.94, 59.09
CIE _{LCh}	51, 66.704, 62.365
Yxy	18.9885, 0.5345, 0.4138
Android (android.graphics.Color)	4290404608 (0xFFBA6100)
YUV	112.5530, -55.4886, 64.4130
Hunter-Lab	43.5758, 24.2134, 27.2751

Details

The Yxy color **18.9885, 0.5345, 0.4138** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **10.6946, 0.1752, 0.1506**, and the grayscale version is **16.5233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.8102, 0.4923, 0.4088**, and **6.5495, 0.5695, 0.3860** is the 20% darker color. If you saturate the color by 10%, you get **18.9891, 0.5345, 0.4138**, and if you desaturate by 10%, it is **20.7736, 0.5149, 0.4193**.

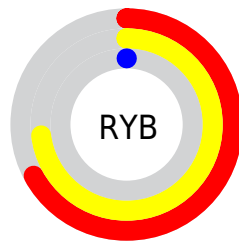
Distribution



Red (73%)

Green (38%)

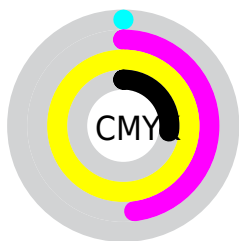
Blue (0%)



Red (67%)

Yellow (73%)

Blue (0%)

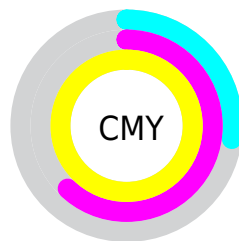


Cyan (0%)

Magenta (48%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (62%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9885, 0.5345, 0.4138 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 18.9885, 0.5345, 0.4138 by changing the saturation by 10% instead.


 18.9885, 0.5345,
0.4138


 18.9885, 0.5345,
0.4138


246.3853, 0.4171,
0.3837


 11.6620, 0.5604,
0.4123


 41.7147, 0.4931,
0.4086

 6.5139, 0.5935,
0.4065


 57.8831, 0.4768,
0.4047


 3.1600, 0.6190,
0.3810

 77.7676, 0.4630,
0.4007

 1.2158, 0.6602,
0.3398

 101.7526, 0.4511,
0.3968


 0.0746, 0.9172,
0.0828


 130.2225, 0.4408,
0.3931


 0.0000, 0.0000,
0.0000


 163.5616, 0.4319,

0.3897


 202.1544, 0.4240,
0.3866

 18.9885, 0.5345,
0.4138

 18.9885, 0.5345,
0.4138


 18.9891, 0.5345,
0.4138

 20.7736, 0.5149,
0.4193

 22.7917, 0.4921,
0.4201

 25.0654, 0.4668,
0.4159

 27.6078, 0.4404,
0.4075

 30.4309, 0.4144,
0.3962

■ 33.5455, 0.3897,
0.3831

■ 36.9617, 0.3671,
0.3692

■ 40.6890, 0.3467,
0.3553

■ 44.7362, 0.3286,
0.3418

Harmonies

Analogous

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



18.9885, 0.5452, 0.3352



18.9885, 0.5345, 0.4138



18.9885, 0.4607, 0.4989

Triad

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



18.9885, 0.5345, 0.4138



18.9885, 0.1657, 0.3847



18.9885, 0.2269, 0.1680

Complementary

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



18.9885, 0.5345, 0.4138



10.6946, 0.1752, 0.1506

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.



18.9885, 0.1560, 0.1595



18.9885, 0.5345, 0.4138



18.9885, 0.1252, 0.2535

Square

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



18.9885, 0.5345, 0.4138



18.9885, 0.2506, 0.5259



18.9885, 0.1238, 0.1833



18.9885, 0.3405, 0.2044

Rectangle

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



18.9885, 0.5345, 0.4138



18.9885, 0.3939, 0.5469



18.9885, 0.1238, 0.1833



18.9885, 0.1984, 0.1619

Sweetspot

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



18.9895, 0.5345, 0.4138



66.6613, 0.3682, 0.3699



11.1777, 0.5031, 0.2545



14.0898, 0.3776, 0.3758



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



18.9895, 0.5345, 0.4138



33.9241, 0.5368, 0.4120



45.1809, 0.4164, 0.5075



9.7661, 0.3275, 0.3409



12.9240, 0.5326, 0.4153



0.5788, 0.4959, 0.4444

Inverse Universe

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



10.6946, 0.1752, 0.1506



18.9015, 0.1744, 0.1478



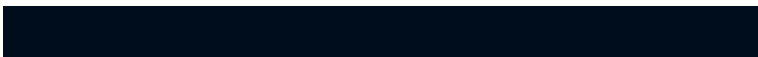
3.5659, 0.1505, 0.0603



9.4095, 0.2985, 0.3168



7.3419, 0.1758, 0.1529



0.3829, 0.1893, 0.2016

Previews

White Background



This preview shows how the Yxy color 18.9885, 0.5345, 0.4138 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 18.9885, 0.5345, 0.4138 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 18.9885, 0.5345, 0.4138

Background



This preview shows how black text looks on a background with the Yxy color 18.9885, 0.5345, 0.4138.



This preview shows how white text looks on a background with the Yxy color 18.9885, 0.5345, 0.4138.

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

18.9885, 0.5345, 0.4138

Protanopia

19.2748, 0.4349, 0.4826

Deuteranopia

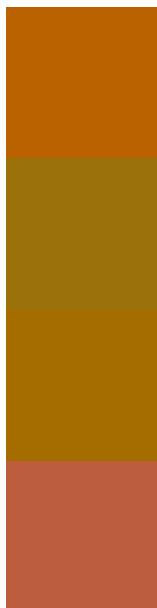
19.0338, 0.4704, 0.4647



Tritanopia

18.9757, 0.4531, 0.3214

Trichromacy



Original Color

18.9885, 0.5345, 0.4138

Protanomaly

18.8007, 0.4731, 0.4567

Deuteranomaly

18.7245, 0.4957, 0.4446

Tritanomaly

18.8570, 0.4993, 0.3693

Monochromacy



Original Color

18.9885, 0.5345, 0.4138

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.5587, 0.4084, 0.3922

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9885, 0.5345, 0.4138 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(186, 97, 0)` looks like.

```
.text, #text, p{  
  color:rgb(186, 97, 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(186, 97, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 97, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.9885, 0.5345, 0.4138 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(186, 97, 0) }
```

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

```
.border{ border-color:rgb(186, 97, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 97, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 97, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 97, 0);  
box-shadow:4px 4px 4px 4px rgb(186, 97, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.9885, 0.5345, 0.4138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 97, 0) }
```

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

```
.background{ background-color: rgb(186, 97,  
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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