

Converting Colors

$Y_{xy}(18.3333, 0.5254, 0.4210)$

Have a look what the booklet for
Yxy(18.3333, 0.5254, 0.4210)
contains.

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Color

Yxy(18.2003, 0.5256, 0.4209)

Conversions

Conversions Part 1

Format	Color
Hex	B26200
RGB	178, 98, 0
RGB Percent	70%, 38%, 0%
CMY	0.3020, 0.6157, 1.0000
CMYK	0.00, 0.45, 1.00, 0.30
HSL	33°, 100%, 35%
HSV	33°, 100%, 70%
XYZ	22.7277, 18.2003, 2.3134
YIQ	110.7480, 79.1380, -13.5180

Conversions

Conversions Part 2

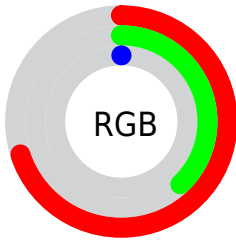
Format	Color
R_{YB}	145, 178, 0
Decimal	11690496
CIE Lab	49.74, 26.99, 57.95
CIE LCh	50, 63.925, 65.026
Yxy	18.2003, 0.5256, 0.4209
Android (android.graphics.Color)	4289880576 (0xFFB26200)
YUV	110.7480, -54.5988, 58.9800
Hunter-Lab	42.6618, 20.4360, 26.6482

Details

The Yxy color **18.2003, 0.5256, 0.4209** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **8.9510, 0.1727, 0.1418**, and the grayscale version is **15.9643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1934, 0.4856, 0.4134**, and **6.2031, 0.5577, 0.3954** is the 20% darker color. If you saturate the color by 10%, you get **18.2014, 0.5256, 0.4209**, and if you desaturate by 10%, it is **19.8171, 0.5071, 0.4254**.

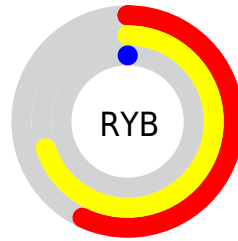
Distribution



Red (70%)

Green (38%)

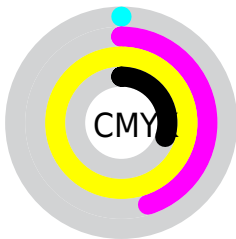
Blue (0%)



Red (57%)

Yellow (70%)

Blue (0%)

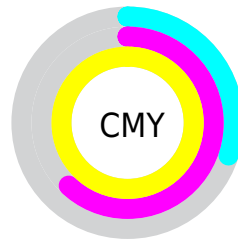


Cyan (0%)

Magenta (45%)

Yellow (100%)

Black (30%)



Cyan (30%)


Magenta (62%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2003, 0.5256, 0.4209 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 18.2003, 0.5256, 0.4209 by changing the saturation by 10% instead.


 18.2003, 0.5256,
0.4209


 18.2003, 0.5256,
0.4209


241.9976, 0.4123,
0.3854


 11.0939, 0.5509,
0.4211


 40.3783, 0.4854,
0.4134


 6.1300, 0.5828,
0.4172

 56.2187, 0.4697,
0.4087

 2.9243, 0.6067,
0.3933

 75.7393, 0.4563,
0.4040

 1.0923, 0.6462,
0.3538

 99.3243, 0.4449,
0.3996


 0.0000, 1.0000,
0.0000


 127.3583, 0.4350,
0.3956


 0.0000, 0.0000,
0.0000


 160.2256, 0.4264,


0.3919

 198.3106, 0.4189,
0.3885


 18.2003, 0.5256,
0.4209


 18.2003, 0.5256,
0.4209


 18.2014, 0.5256,
0.4209

 19.8171, 0.5071,
0.4254

 21.6256, 0.4858,
0.4255

 23.6458, 0.4619,
0.4205

 25.8887, 0.4369,
0.4115

 28.3641, 0.4120,
0.3995

■ 31.0809, 0.3883,
0.3858

■ 34.0473, 0.3663,
0.3713

■ 37.2712, 0.3463,
0.3567

■ 40.7599, 0.3285,
0.3425

Harmonies

Analogous

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



18.2003, 0.5418, 0.3428



18.2003, 0.5256, 0.4209



18.2003, 0.4506, 0.5033

Triad

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



18.2003, 0.5256, 0.4209



18.2003, 0.1640, 0.3702



18.2003, 0.2373, 0.1733

Complementary

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



18.2003, 0.5256, 0.4209



8.9510, 0.1727, 0.1418

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.



18.2003, 0.1637, 0.1624



18.2003, 0.5256, 0.4209



18.2003, 0.1275, 0.2475

Square

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



18.2003, 0.5256, 0.4209



18.2003, 0.2441, 0.5102



18.2003, 0.1289, 0.1831



18.2003, 0.3513, 0.2115

Rectangle

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



18.2003, 0.5256, 0.4209



18.2003, 0.3843, 0.5462



18.2003, 0.1289, 0.1831



18.2003, 0.2080, 0.1665

Sweetspot

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



18.2014, 0.5256, 0.4209



61.4518, 0.3674, 0.3720



10.0457, 0.5165, 0.2619



13.1075, 0.3764, 0.3781



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



18.2014, 0.5256, 0.4209



32.5412, 0.5278, 0.4191



40.2871, 0.4107, 0.5121



9.2549, 0.3274, 0.3415



13.1503, 0.5240, 0.4221



0.5282, 0.4875, 0.4511

Inverse Universe

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



8.9510, 0.1727, 0.1418



15.7872, 0.1719, 0.1388



3.2718, 0.1516, 0.0609



8.8381, 0.2985, 0.3161



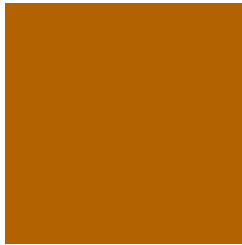
6.5266, 0.1733, 0.1438



0.3224, 0.1885, 0.1987

Previews

White Background



This preview shows how the Yxy color 18.2003, 0.5256, 0.4209 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



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 18.2003, 0.5256, 0.4209

Background



This preview shows how black text looks on a background with the Yxy color 18.2003, 0.5256, 0.4209.



This preview shows how white text looks on a background with the Yxy color 18.2003, 0.5256, 0.4209.

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

18.2003, 0.5256, 0.4209

Protanopia

18.2965, 0.4355, 0.4824

Deuteranopia

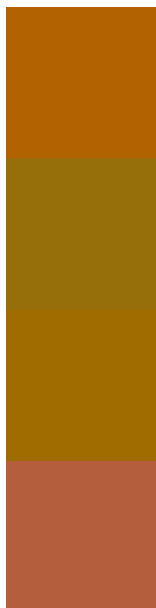
18.2943, 0.4699, 0.4651



Tritanopia

18.1878, 0.4391, 0.3194

Trichromacy



Original Color

18.2003, 0.5256, 0.4209

Protanomaly

17.8748, 0.4701, 0.4588

Deuteranomaly

18.1987, 0.4901, 0.4491

Tritanomaly

18.0565, 0.4881, 0.3720

Monochromacy



Original Color

18.2003, 0.5256, 0.4209

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.9139, 0.4033, 0.3942

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2003, 0.5256, 0.4209 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(178, 98, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 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(178, 98, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 98, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.2003, 0.5256, 0.4209 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(178, 98, 0) }
```

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

```
.border{ border-color:rgb(178, 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(178, 98, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 98, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 98, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 98, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.2003, 0.5256, 0.4209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 98, 0) }
```

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

```
.background{ background-color: rgb(178, 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](#).

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