

Converting Colors

$Y_{xy}(18.0231, 0.5326, 0.4336)$

Have a look what the booklet for
Yxy(18.0231, 0.5326, 0.4336)
contains.

Yxy(18.1538, 0.5220, 0.4237)	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(18.1538, 0.5220, 0.4237)

Conversions

Conversions Part 1

Format	Color
Hex	B06300
RGB	176, 99, 0
RGB Percent	69%, 39%, 0%
CMY	0.3098, 0.6117, 0.9998
CMYK	0.00, 0.44, 1.00, 0.31
HSL	34°, 100%, 35%
HSV	34°, 100%, 69%
XYZ	22.3656, 18.1538, 2.3265
YIQ	110.7370, 77.6710, -14.4650

Conversions

Conversions Part 2

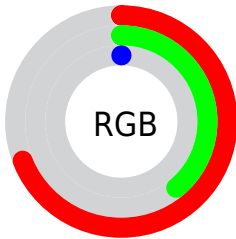
Format	Color
RYB	137, 176, 0
Decimal	11559680
CIELab	49.68, 25.57, 57.75
CIElCh	50, 63.156, 66.114
Yxy	18.1538, 0.5220, 0.4237
Android (android.graphics.Color)	4289749760 (0xFFB06300)
YUV	110.7370, -54.5933, 57.2357
Hunter-Lab	42.6073, 19.1361, 26.5876

Details

The Yxy color **18.1538, 0.5220, 0.4237** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **8.4473, 0.1718, 0.1383**, and the grayscale version is **15.9629, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1650, 0.4829, 0.4153**, and **6.1496, 0.5530, 0.3991** is the 20% darker color. If you saturate the color by 10%, you get **18.1505, 0.5220, 0.4237**, and if you desaturate by 10%, it is **19.7268, 0.5040, 0.4279**.

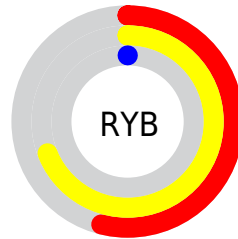
Distribution



Red (69%)

Green (39%)

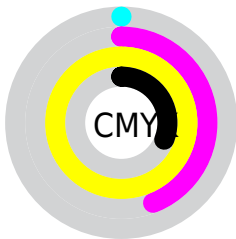
Blue (0%)



Red (54%)

Yellow (69%)

Blue (0%)

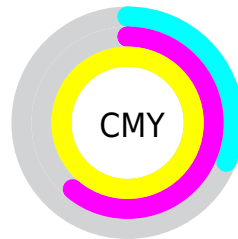


Cyan (0%)

Magenta (44%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (61%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1538, 0.5220, 0.4237 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 18.1538, 0.5220, 0.4237 by changing the saturation by 10% instead.


 18.1538, 0.5220,
0.4237


 18.1538, 0.5220,
0.4237


241.7365, 0.4106,
0.3861


 11.0605, 0.5468,
0.4246


 40.2992, 0.4825,
0.4153


 6.1075, 0.5782,
0.4218

 56.1201, 0.4671,
0.4103


 2.9106, 0.6012,
0.3988

 75.6189, 0.4539,
0.4054

 1.0852, 0.6394,
0.3606

 99.1802, 0.4427,
0.4008


 0.0000, 1.0000,
0.0000


 127.1881, 0.4329,
0.3966


 0.0000, 0.0000,
0.0000


 160.0272, 0.4245,


0.3928

 198.0819, 0.4171,
0.3893


 18.1538, 0.5220,
0.4237


 18.1538, 0.5220,
0.4237


 18.1505, 0.5220,
0.4237

 19.7268, 0.5040,
0.4279

 21.4795, 0.4833,
0.4276

 23.4313, 0.4599,
0.4224

 25.5923, 0.4355,
0.4131

 27.9720, 0.4110,
0.4008

■ 30.5785, 0.3877,
0.3868

■ 33.4197, 0.3659,
0.3720

■ 36.5029, 0.3462,
0.3572

■ 39.8350, 0.3284,
0.3427

Harmonies

Analogous

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



18.1538, 0.5403, 0.3458



18.1538, 0.5220, 0.4237



18.1538, 0.4465, 0.5049

Triad

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



18.1538, 0.5220, 0.4237



18.1538, 0.1633, 0.3646



18.1538, 0.2416, 0.1754

Complementary

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



18.1538, 0.5220, 0.4237



8.4473, 0.1718, 0.1383

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.



18.1538, 0.1669, 0.1637



18.1538, 0.5220, 0.4237



18.1538, 0.1284, 0.2452

Square

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



18.1538, 0.5220, 0.4237



18.1538, 0.2416, 0.5039



18.1538, 0.1309, 0.1830



18.1538, 0.3556, 0.2144

Rectangle

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



18.1538, 0.5220, 0.4237



18.1538, 0.3804, 0.5457



18.1538, 0.1309, 0.1830



18.1538, 0.2120, 0.1684

Sweetspot

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



18.1548, 0.5220, 0.4237



60.3206, 0.3671, 0.3729



9.7982, 0.5162, 0.2617



12.6042, 0.3758, 0.3790



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



18.1548, 0.5220, 0.4237



32.4623, 0.5243, 0.4219



39.2851, 0.4107, 0.5121



9.2717, 0.3274, 0.3418



13.4365, 0.5207, 0.4248



0.5364, 0.4854, 0.4528

Inverse Universe

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



8.4473, 0.1718, 0.1383



14.8800, 0.1709, 0.1352



3.1925, 0.1516, 0.0609



8.8216, 0.2985, 0.3159



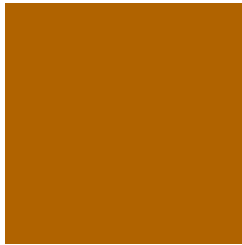
6.3078, 0.1723, 0.1402



0.3153, 0.1877, 0.1958

Previews

White Background



This preview shows how the Yxy color 18.1538, 0.5220, 0.4237 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 18.1538, 0.5220, 0.4237 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 18.1538, 0.5220, 0.4237

Background



This preview shows how black text looks on a background with the Yxy color 18.1538, 0.5220, 0.4237.



This preview shows how white text looks on a background with the Yxy color 18.1538, 0.5220, 0.4237.

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

18.1538, 0.5220, 0.4237

Protanopia

18.2937, 0.4358, 0.4830

Deuteranopia

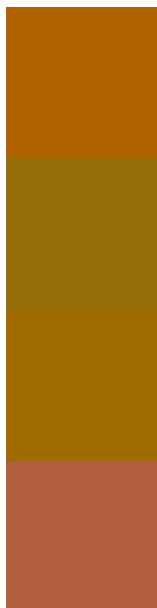
18.2943, 0.4699, 0.4651



Tritanopia

18.1389, 0.4342, 0.3193

Trichromacy



Original Color

18.1538, 0.5220, 0.4237

Protanomaly

17.9976, 0.4676, 0.4614

Deuteranomaly

18.0961, 0.4889, 0.4500

Tritanomaly

18.0083, 0.4834, 0.3728

Monochromacy



Original Color

18.1538, 0.5220, 0.4237

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.1212, 0.4025, 0.3959

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1538, 0.5220, 0.4237 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(176, 99, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 99, 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(176, 99, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 99, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.1538, 0.5220, 0.4237 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(176, 99, 0) }
```

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

```
.border{ border-color:rgb(176, 99, 0) }
```

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

Here you see how a box with a 4 pixel rgb(176, 99, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 99, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 99, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 99, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.1538, 0.5220, 0.4237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 99, 0) }
```

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

```
.background{ background-color: rgb(176, 99,  
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