

Converting Colors

$Y_{xy}(16.5939, 0.5623, 0.3917)$

Have a look what the booklet for
Yxy(16.5939, 0.5623, 0.3917)
contains.

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Color

Yxy(16.7037, 0.5618, 0.3921)

Conversions

Conversions Part 1

Format	Color
Hex	BD5100
RGB	189, 81, 0
RGB Percent	74%, 32%, 0%
CMY	0.2587, 0.6824, 0.9998
CMYK	0.00, 0.57, 1.00, 0.26
HSL	26°, 100%, 37%
HSV	26°, 100%, 74%
XYZ	23.9330, 16.7037, 1.9639
YIQ	104.0580, 90.3690, -2.2950

Conversions

Conversions Part 2

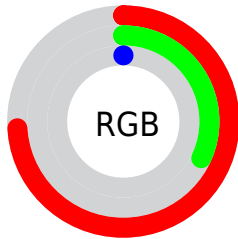
Format	Color
RYB	189, 142, 0
Decimal	12407040
CIELab	47.88, 40.37, 57.70
CIELCh	48, 70.417, 55.018
Yxy	16.7037, 0.5618, 0.3921
Android (android.graphics.Color)	4290597120 (0xFFBD5100)
YUV	104.0580, -51.3006, 74.4941
Hunter-Lab	40.8702, 33.0045, 25.7601

Details

The Yxy color **16.7037, 0.5618, 0.3921** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **14.4171, 0.1839, 0.1822**, and the grayscale version is **13.9826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7967, 0.5134, 0.3932**, and **5.4679, 0.6077, 0.3557** is the 20% darker color. If you saturate the color by 10%, you get **16.7008, 0.5618, 0.3921**, and if you desaturate by 10%, it is **18.4869, 0.5385, 0.3995**.

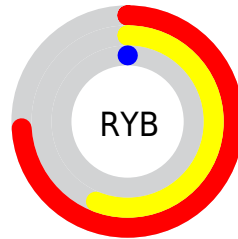
Distribution



Red (74%)

Green (32%)

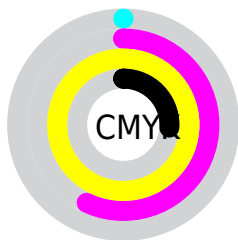
Blue (0%)



Red (74%)

Yellow (56%)

Blue (0%)

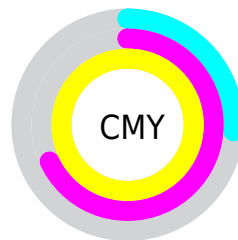


Cyan (0%)

Magenta (57%)

Yellow (100%)

Black (26%)



Cyan (26%)


Magenta (68%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7037, 0.5618, 0.3921 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 16.7037, 0.5618, 0.3921 by changing the saturation by 10% instead.


 16.7037, 0.5618,
0.3921


 16.7037, 0.5618,
0.3921


 233.4591, 0.4272,
0.3764


 10.0235, 0.5934,
0.3860


 37.8156, 0.5136,
0.3934


 5.4145, 0.6294,
0.3706

 53.0161, 0.4949,
0.3915


 2.4925, 0.6640,
0.3360

 71.8255, 0.4790,
0.3890

 0.8729, 0.7195,
0.2805

 94.6281, 0.4655,
0.3864

 0.0000, 1.0000,
0.0000


 121.8083, 0.4538,
0.3837


 0.0000, 0.0000,
0.0000

 153.7507, 0.4437,


0.3811


 190.8394, 0.4349,
0.3787


 16.7037, 0.5618,
0.3921


 16.7037, 0.5618,
0.3921


 16.7008, 0.5618,
0.3921

 18.4869, 0.5385,
0.3995

 20.5815, 0.5113,
0.4024

 23.0154, 0.4812,
0.4002

 25.8069, 0.4505,
0.3938

 28.9725, 0.4209,
0.3847

■ 32.5275, 0.3936,
0.3738

■ 36.4860, 0.3692,
0.3623

■ 40.8616, 0.3476,
0.3507

■ 45.6669, 0.3289,
0.3395

Harmonies

Analogous

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



16.7037, 0.5552, 0.3126



16.7037, 0.5618, 0.3921



16.7037, 0.4911, 0.4838

Triad

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



16.7037, 0.5618, 0.3921



16.7037, 0.1702, 0.4328



16.7037, 0.1965, 0.1519

Complementary

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



16.7037, 0.5618, 0.3921



14.4171, 0.1839, 0.1822

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.



16.7037, 0.1333, 0.1501



16.7037, 0.5618, 0.3921



16.7037, 0.1177, 0.2730

Square

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



16.7037, 0.5618, 0.3921



16.7037, 0.2688, 0.5727



16.7037, 0.1085, 0.1837



16.7037, 0.3080, 0.1831

Rectangle

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



16.7037, 0.5618, 0.3921



16.7037, 0.4217, 0.5450



16.7037, 0.1085, 0.1837



16.7037, 0.1705, 0.1479

Sweetspot

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



16.7046, 0.5618, 0.3921



64.9555, 0.3703, 0.3629



11.9545, 0.4611, 0.2314



13.3099, 0.3803, 0.3678



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.



16.7046, 0.5618, 0.3921



29.4497, 0.5645, 0.3900



40.8139, 0.4347, 0.4930



10.1902, 0.3278, 0.3389



11.3794, 0.5596, 0.3938



0.5757, 0.5179, 0.4270

Inverse Universe

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



14.4171, 0.1839, 0.1822



25.3211, 0.1833, 0.1797



4.0398, 0.1515, 0.0653



10.1063, 0.2984, 0.3189



9.8491, 0.1845, 0.1841



0.5132, 0.1951, 0.2224

Previews

White Background



This preview shows how the Yxy color 16.7037, 0.5618, 0.3921 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 16.7037, 0.5618, 0.3921 looks on a black 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

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

Yxy 16.7037, 0.5618, 0.3921

Background



This preview shows how black text looks on a background with the Yxy color 16.7037, 0.5618, 0.3921.



This preview shows how white text looks on a background with the Yxy color 16.7037, 0.5618, 0.3921.

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

16.7037, 0.5618, 0.3921

Protanopia

16.9723, 0.4331, 0.4807

Deuteranopia

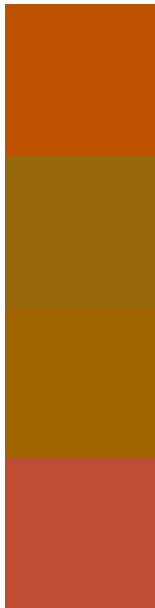
16.8666, 0.4688, 0.4660



Tritanopia

16.6877, 0.4932, 0.3234

Trichromacy



Original Color

16.7037, 0.5618, 0.3921

Protanomaly

16.3040, 0.4841, 0.4466

Deuteranomaly

16.3973, 0.5053, 0.4370

Tritanomaly

16.4939, 0.5323, 0.3585

Monochromacy



Original Color

16.7037, 0.5618, 0.3921

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.9100, 0.4198, 0.3852

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7037, 0.5618, 0.3921 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(189, 81, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 81, 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(189, 81, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 81, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.7037, 0.5618, 0.3921 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(189, 81, 0) }
```

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

```
.border{ border-color:rgb(189, 81, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 81, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 81, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 81, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 81, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.7037, 0.5618, 0.3921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 81, 0) }
```

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

```
.background{ background-color: rgb(189, 81,  
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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