

Converting Colors

$Y_{xy}(16.3429, 0.6007, 0.3612)$

Have a look what the booklet for
Yxy(16.3429, 0.6007, 0.3612)
contains.

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Color

Yxy(16.3933, 0.6010, 0.3610)

Conversions

Conversions Part 1

Format	Color
Hex	CF3B00
RGB	207, 59, 0
RGB Percent	81%, 23%, 0%
CMY	0.1883, 0.7685, 1.0000
CMYK	0.00, 0.71, 1.00, 0.19
HSL	17°, 100%, 41%
HSV	17°, 100%, 81%
XYZ	27.2919, 16.3933, 1.7256
YIQ	96.5260, 107.1470, 13.0270

Conversions

Conversions Part 2

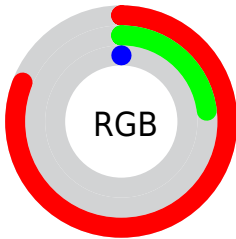
Format	Color
RYB	207, 83, 0
Decimal	13581056
CIELab	47.49, 56.22, 59.22
CIElCh	47, 81.655, 46.492
Yxy	16.3933, 0.6010, 0.3610
Android (android.graphics.Color)	4291771136 (0xFFCF3B00)
YUV	96.5260, -47.5873, 96.8857
Hunter-Lab	40.4886, 49.4651, 25.8151

Details

The Yxy color **16.3933, 0.6010, 0.3610** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **25.6652, 0.1980, 0.2326**, and the grayscale version is **11.9349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.8270, 0.5351, 0.3760**, and **5.8396, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.3943, 0.6010, 0.3610**, and if you desaturate by 10%, it is **18.1907, 0.5751, 0.3697**.

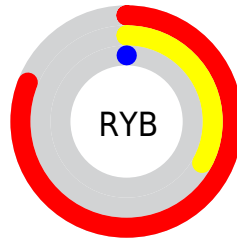
Distribution



Red (81%)

Green (23%)

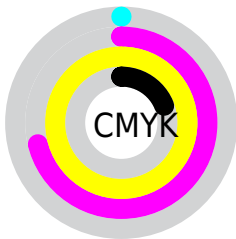
Blue (0%)



Red (81%)

Yellow (33%)

Blue (0%)

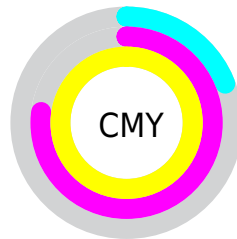


Cyan (0%)

Magenta (71%)

Yellow (100%)

Black (19%)



Cyan (19%)


Magenta (77%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3933, 0.6010, 0.3610 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 16.3933, 0.6010, 0.3610 by changing the saturation by 10% instead.


 16.3933, 0.6010,
0.3610

 16.3933, 0.6010,
0.3610


 231.6514, 0.4458,
0.3672

 9.8029, 0.6378,
0.3487


 37.2797, 0.5459,
0.3716


 5.2685, 0.6761,
0.3239


 52.3444, 0.5244,
0.3729


 2.4056, 0.7183,
0.2817

 71.0027, 0.5060,
0.3729

 0.8288, 0.7817,
0.2183

 93.6389, 0.4903,
0.3722

 0.0000, 1.0000,
0.0000


 120.6376, 0.4768,
0.3712


 0.0000, 0.0000,
0.0000


 152.3829, 0.4651,


0.3699

 189.2594, 0.4548,
0.3686

 16.3933, 0.6010,
0.3610

 16.3933, 0.6010,
0.3610


 16.3943, 0.6010,
0.3610

 18.1907, 0.5751,
0.3697

 20.5081, 0.5424,
0.3748

 23.3956, 0.5054,
0.3755

 26.8912, 0.4677,
0.3723

 31.0290, 0.4323,
0.3666

■ 35.8404, 0.4005,
0.3594

■ 41.3547, 0.3728,
0.3516

■ 47.5993, 0.3493,
0.3437

■ 54.6002, 0.3294,
0.3361

Harmonies

Analogous

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



16.3933, 0.5687, 0.2813



16.3933, 0.6010, 0.3610



16.3933, 0.5351, 0.4600

Triad

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



16.3933, 0.6010, 0.3610



16.3933, 0.1741, 0.5120



16.3933, 0.1574, 0.1297

Complementary

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



16.3933, 0.6010, 0.3610



25.6652, 0.1980, 0.2326

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.



16.3933, 0.1040, 0.1359



16.3933, 0.6010, 0.3610



16.3933, 0.1053, 0.3046

Square

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



16.3933, 0.6010, 0.3610



16.3933, 0.2889, 0.6319



16.3933, 0.0873, 0.1831



16.3933, 0.2637, 0.1542

Rectangle

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



16.3933, 0.6010, 0.3610



16.3933, 0.4609, 0.5374



16.3933, 0.0873, 0.1831



16.3933, 0.1346, 0.1282

Sweetspot

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



16.3943, 0.6010, 0.3610



65.9518, 0.3738, 0.3519



15.4111, 0.4092, 0.2028



13.2828, 0.3851, 0.3552



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



16.3943, 0.6010, 0.3610



25.9905, 0.6030, 0.3594



39.1502, 0.4640, 0.4698



12.3496, 0.3284, 0.3357



10.4722, 0.5985, 0.3630



0.7216, 0.5618, 0.3922

Inverse Universe

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



25.6652, 0.1980, 0.2326



40.7841, 0.1976, 0.2314



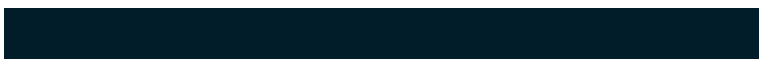
6.3690, 0.1560, 0.0815



12.8134, 0.2983, 0.3222



16.3422, 0.1984, 0.2341



1.0454, 0.2038, 0.2536

Previews

White Background



This preview shows how the Yxy color 16.3933, 0.6010, 0.3610 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 16.3933, 0.6010, 0.3610 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 16.3933, 0.6010, 0.3610

Background



This preview shows how black text looks on a background with the Yxy color 16.3933, 0.6010, 0.3610.



This preview shows how white text looks on a background with the Yxy color 16.3933, 0.6010, 0.3610.

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

16.3933, 0.6010, 0.3610

Protanopia

16.6857, 0.4307, 0.4768

Deuteranopia

16.5648, 0.4692, 0.4657



Tritanopia

16.4377, 0.5610, 0.3280

Trichromacy



Original Color

16.3933, 0.6010, 0.3610

Protanomaly

15.2080, 0.5049, 0.4267

Deuteranomaly

15.4193, 0.5273, 0.4195

Tritanomaly

16.3656, 0.5844, 0.3447

Monochromacy



Original Color

16.3933, 0.6010, 0.3610

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.8527, 0.4431, 0.3678

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3933, 0.6010, 0.3610 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(207, 59, 0)` looks like.

```
.text, #text, p{  
    color:rgb(207, 59, 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(207, 59, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 59, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.3933, 0.6010, 0.3610 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(207, 59, 0) }
```

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

```
.border{ border-color:rgb(207, 59, 0) }
```

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

Here you see how a box with a 4 pixel rgb(207, 59, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 59, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 59, 0);  
box-shadow:4px 4px 4px 4px rgb(207, 59, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.3933, 0.6010, 0.3610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 59, 0) }
```

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

```
.background{ background-color: rgb(207, 59,  
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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