

Converting Colors

$Y_{xy}(18.3324, 0.5752, 0.3814)$

Have a look what the booklet for
Yxy(18.3324, 0.5752, 0.3814)
contains.

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Color

Yxy(18.2861, 0.5757, 0.3811)

Conversions

Conversions Part 1

Format	Color
Hex	CC4E00
RGB	204, 78, 0
RGB Percent	80%, 31%, 0%
CMY	0.2001, 0.6940, 1.0000
CMYK	0.00, 0.62, 1.00, 0.20
HSL	23°, 100%, 40%
HSV	23°, 100%, 80%
XYZ	27.6235, 18.2861, 2.0728
YIQ	106.7820, 100.1340, 2.4540

Conversions

Conversions Part 2

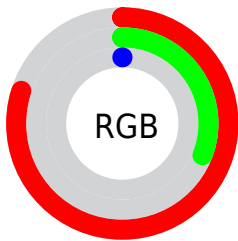
Format	Color
RYB	204, 126, 0
Decimal	13389312
CIELab	49.84, 47.40, 60.12
CIElCh	50, 76.553, 51.748
Yxy	18.2861, 0.5757, 0.3811
Android (android.graphics.Color)	4291579392 (0xFFCC4E00)
YUV	106.7820, -52.6435, 85.2602
Hunter-Lab	42.7622, 40.4732, 27.0596

Details

The Yxy color **18.2861, 0.5757, 0.3811** 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 **19.2719, 0.1883, 0.1977**, and the grayscale version is **14.7694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8188, 0.5177, 0.3902**, and **6.1991, 0.6232, 0.3433** is the 20% darker color. If you saturate the color by 10%, you get **18.2872, 0.5757, 0.3811**, and if you desaturate by 10%, it is **20.3043, 0.5513, 0.3895**.

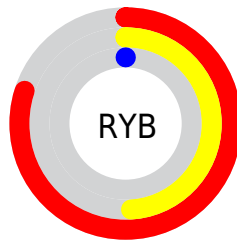
Distribution



Red (80%)

Green (31%)

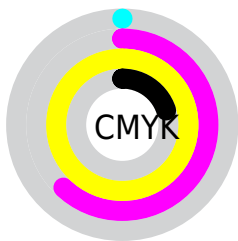
Blue (0%)



Red (80%)

Yellow (49%)

Blue (0%)

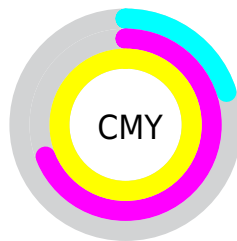


Cyan (0%)

Magenta (62%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (69%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2861, 0.5757, 0.3811 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 18.2861, 0.5757, 0.3811 by changing the saturation by 10% instead.


 18.2861, 0.5757,
0.3811


 18.2861, 0.5757,
0.3811


 242.4787, 0.4359,
0.3738


 11.1556, 0.6073,
0.3726


 40.5242, 0.5263,
0.3857


 6.1716, 0.6443,
0.3557

 56.4006, 0.5070,
0.3851

 2.9497, 0.6796,
0.3204

 75.9611, 0.4905,
0.3836

 1.1055, 0.7336,
0.2664

 99.5901, 0.4763,
0.3818


 0.0000, 1.0000,
0.0000

 127.6720, 0.4640,
0.3797

 0.0000, 0.0000,
0.0000

 160.5911, 0.4534,

0.3777


 198.7319, 0.4441,
0.3757


 18.2861, 0.5757,
0.3811


 18.2861, 0.5757,
0.3811

 18.2872, 0.5757,
0.3811

 20.3043, 0.5513,
0.3895

 22.7373, 0.5221,
0.3935

 25.6217, 0.4896,
0.3924

 28.9833, 0.4566,
0.3872

 32.8455, 0.4250,
0.3791

■ 37.2298, 0.3962,
0.3694

■ 42.1563, 0.3706,
0.3590

■ 47.6440, 0.3483,
0.3486

■ 53.7108, 0.3291,
0.3385

Harmonies

Analogous

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



18.2861, 0.5602, 0.3013



18.2861, 0.5757, 0.3811



18.2861, 0.5063, 0.4753

Triad

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



18.2861, 0.5757, 0.3811



18.2861, 0.1720, 0.4594



18.2861, 0.1820, 0.1439

Complementary

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



18.2861, 0.5757, 0.3811



19.2719, 0.1883, 0.1977

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.



18.2861, 0.1225, 0.1451



18.2861, 0.5757, 0.3811



18.2861, 0.1135, 0.2836

Square

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



18.2861, 0.5757, 0.3811



18.2861, 0.2769, 0.5950



18.2861, 0.1009, 0.1836



18.2861, 0.2920, 0.1726

Rectangle

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



18.2861, 0.5757, 0.3811



18.2861, 0.4350, 0.5422



18.2861, 0.1009, 0.1836



18.2861, 0.1572, 0.1409

Sweetspot

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



18.2872, 0.5757, 0.3811



69.4892, 0.3715, 0.3594



14.4255, 0.4415, 0.2206



14.1069, 0.3821, 0.3639



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.



18.2872, 0.5757, 0.3811



29.9082, 0.5779, 0.3793



44.1962, 0.4451, 0.4848



11.9053, 0.3281, 0.3379



11.6791, 0.5732, 0.3831



0.7481, 0.5366, 0.4121

Inverse Universe

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



19.2719, 0.1883, 0.1977



31.4924, 0.1878, 0.1959



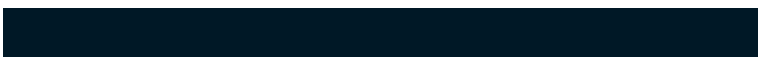
5.1520, 0.1527, 0.0697



11.9782, 0.2983, 0.3199



12.3164, 0.1888, 0.1997



0.7793, 0.1966, 0.2277

Previews

White Background



This preview shows how the Yxy color 18.2861, 0.5757, 0.3811 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 18.2861, 0.5757, 0.3811 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 18.2861, 0.5757, 0.3811

Background



This preview shows how black text looks on a background with the Yxy color 18.2861, 0.5757, 0.3811.



This preview shows how white text looks on a background with the Yxy color 18.2861, 0.5757, 0.3811.

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

18.2861, 0.5757, 0.3811

Protanopia

18.5518, 0.4321, 0.4807

Deuteranopia

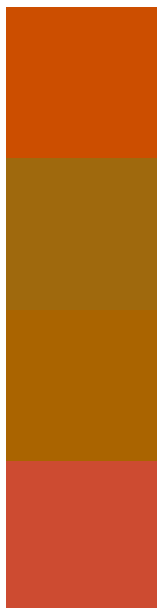
18.3896, 0.4711, 0.4641



Tritanopia

18.4227, 0.5151, 0.3253

Trichromacy



Original Color

18.2861, 0.5757, 0.3811

Protanomaly

17.5031, 0.4897, 0.4413

Deuteranomaly

17.6604, 0.5144, 0.4298

Tritanomaly

18.2330, 0.5494, 0.3546

Monochromacy



Original Color

18.2861, 0.5757, 0.3811

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.5339, 0.4274, 0.3792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2861, 0.5757, 0.3811 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(204, 78, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 78, 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(204, 78, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 78, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.2861, 0.5757, 0.3811 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(204, 78, 0) }
```

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

```
.border{ border-color:rgb(204, 78, 0) }
```

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

Here you see how a box with a 4 pixel rgb(204, 78, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 78, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 78, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 78, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.2861, 0.5757, 0.3811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 78, 0) }
```

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

```
.background{ background-color: rgb(204, 78,  
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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