

Converting Colors

$Y_{xy}(19.1619, 0.5676, 0.3875)$

Have a look what the booklet for
Yxy(19.1619, 0.5676, 0.3875)
contains.

Yxy(19.1780, 0.5674, 0.3877)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.1780, 0.5674, 0.3877)

Conversions

Conversions Part 1

Format	Color
Hex	CC5400
RGB	204, 84, 0
RGB Percent	80%, 33%, 0%
CMY	0.2001, 0.6705, 1.0000
CMYK	0.00, 0.59, 1.00, 0.20
HSL	25°, 100%, 40%
HSV	25°, 100%, 80%
XYZ	28.0671, 19.1780, 2.2210
YIQ	110.3040, 98.4840, -0.6840

Conversions

Conversions Part 2

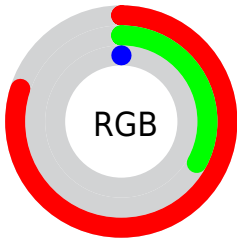
Format	Color
RYB	204, 143, 0
Decimal	13390848
CIELab	50.89, 44.62, 60.69
CIElCh	51, 75.326, 53.677
Yxy	19.1780, 0.5674, 0.3877
Android (android.graphics.Color)	4291580928 (0xFFCC5400)
YUV	110.3040, -54.3799, 82.1714
Hunter-Lab	43.7927, 37.7647, 27.6479

Details

The Yxy color **19.1780, 0.5674, 0.3877** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **17.7782, 0.1853, 0.1871**, and the grayscale version is **15.8261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4882, 0.5110, 0.3954**, and **6.6793, 0.6123, 0.3520** is the 20% darker color. If you saturate the color by 10%, you get **19.1792, 0.5674, 0.3877**, and if you desaturate by 10%, it is **21.2560, 0.5438, 0.3958**.

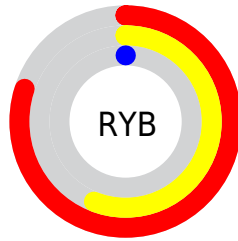
Distribution



Red (80%)

Green (33%)

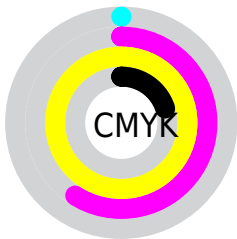
Blue (0%)



Red (80%)

Yellow (56%)

Blue (0%)

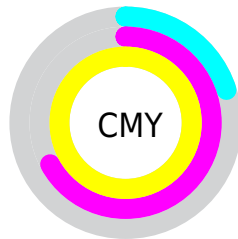


Cyan (0%)

Magenta (59%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (67%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.1780, 0.5674, 0.3877 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 19.1780, 0.5674, 0.3877 by changing the saturation by 10% instead.


 19.1780, 0.5674,
0.3877


 19.1780, 0.5674,
0.3877


247.4297, 0.4329,
0.3760


 11.7990, 0.5973,
0.3806


 42.0347, 0.5201,
0.3904


 6.6069, 0.6336,
0.3664


 58.2811, 0.5015,
0.3891

 3.2175, 0.6662,
0.3338

 78.2521, 0.4856,
0.3872

 1.2463, 0.7163,
0.2837

 102.3321, 0.4720,
0.3850

 0.0991, 0.9256,
0.0744

 130.9054, 0.4602,
0.3826

 0.0000, 1.0000,
0.0000


 164.3565, 0.4499,


 0.0000, 0.0000,


0.3803

0.0000


 203.0698, 0.4409,
0.3781


 19.1780, 0.5674,
0.3877


 19.1780, 0.5674,
0.3877

 19.1792, 0.5674,
0.3877

 21.2560, 0.5438,
0.3958

 23.7217, 0.5159,
0.3992

 26.6091, 0.4849,
0.3975

 29.9416, 0.4533,
0.3916

 33.7403, 0.4229,
0.3829

■ 38.0246, 0.3949,
0.3724

■ 42.8127, 0.3699,
0.3613

■ 48.1216, 0.3480,
0.3501

■ 53.9677, 0.3290,
0.3392

Harmonies

Analogous

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



19.1780, 0.5573, 0.3081



19.1780, 0.5674, 0.3877



19.1780, 0.4971, 0.4803

Triad

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



19.1780, 0.5674, 0.3877



19.1780, 0.1710, 0.4432



19.1780, 0.1906, 0.1487

Complementary

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



19.1780, 0.5674, 0.3877



17.7782, 0.1853, 0.1871

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.



19.1780, 0.1289, 0.1481



19.1780, 0.5674, 0.3877



19.1780, 0.1160, 0.2771

Square

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



19.1780, 0.5674, 0.3877



19.1780, 0.2722, 0.5818



19.1780, 0.1054, 0.1837



19.1780, 0.3016, 0.1789

Rectangle

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



19.1780, 0.5674, 0.3877



19.1780, 0.4271, 0.5440



19.1780, 0.1054, 0.1837



19.1780, 0.1651, 0.1451

Sweetspot

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



19.1792, 0.5674, 0.3877



70.5951, 0.3708, 0.3617



14.2486, 0.4551, 0.2281



14.3659, 0.3812, 0.3665



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.



19.1792, 0.5674, 0.3877



31.3734, 0.5696, 0.3860



46.9397, 0.4382, 0.4903



11.9601, 0.3280, 0.3386



12.2485, 0.5649, 0.3897



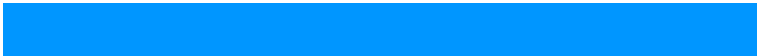
0.7803, 0.5299, 0.4175

Inverse Universe

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



17.7782, 0.1853, 0.1871



29.0166, 0.1848, 0.1852



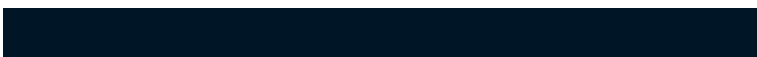
4.8729, 0.1518, 0.0663



11.9219, 0.2983, 0.3192



11.3800, 0.1859, 0.1893



0.7344, 0.1943, 0.2194

Previews

White Background



This preview shows how the Yxy color 19.1780, 0.5674, 0.3877 looks on a white 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

Black Background



This preview shows how the Yxy color 19.1780, 0.5674, 0.3877 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 19.1780, 0.5674, 0.3877

Background



This preview shows how black text looks on a background with the Yxy color 19.1780, 0.5674, 0.3877.



This preview shows how white text looks on a background with the Yxy color 19.1780, 0.5674, 0.3877.

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

19.1780, 0.5674, 0.3877

Protanopia

19.2879, 0.4333, 0.4803

Deuteranopia

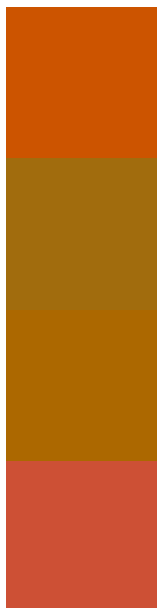
19.3608, 0.4700, 0.4650



Tritanopia

19.1951, 0.5019, 0.3239

Trichromacy



Original Color

19.1780, 0.5674, 0.3877

Protanomaly

18.3312, 0.4872, 0.4436

Deuteranomaly

18.6713, 0.5098, 0.4334

Tritanomaly

18.9735, 0.5395, 0.3568

Monochromacy



Original Color

19.1780, 0.5674, 0.3877

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.6788, 0.4225, 0.3838

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1780, 0.5674, 0.3877 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, 84, 0)` looks like.

```
.text, #text, p{  
  color:rgb(204, 84, 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, 84, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 84, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.1780, 0.5674, 0.3877 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, 84, 0) }
```

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

```
.border{ border-color:rgb(204, 84, 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, 84, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 84, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 84, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 84, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.1780, 0.5674, 0.3877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 84, 0) }
```

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

```
.background{ background-color: rgb(204, 84,  
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