

Converting Colors

$Y_{xy}(19.7939, 0.5744, 0.4256)$

Have a look what the booklet for
Yxy(19.7939, 0.5744, 0.4256)
contains.

Yxy(19.8757, 0.5481, 0.4030)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.8757, 0.5481, 0.4030)

Conversions

Conversions Part 1

Format	Color
Hex	C55E00
RGB	197, 94, 0
RGB Percent	77%, 37%, 0%
CMY	0.2274, 0.6314, 1.0000
CMYK	0.00, 0.52, 1.00, 0.23
HSL	29°, 100%, 39%
HSV	29°, 100%, 77%
XYZ	27.0319, 19.8757, 2.4117
YIQ	114.0810, 91.5620, -7.3980

Conversions

Conversions Part 2

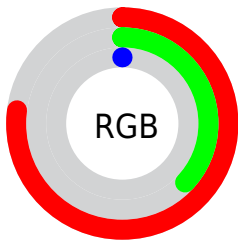
Format	Color
RYB	197, 180, 0
Decimal	12934656
CIELab	51.70, 37.02, 60.55
CIELCh	52, 70.970, 58.560
Yxy	19.8757, 0.5481, 0.4030
Android (android.graphics.Color)	4291124736 (0xFFC55E00)
YUV	114.0810, -56.2419, 72.7200
Hunter-Lab	44.5822, 30.2128, 28.0002

Details

The Yxy color **19.8757, 0.5481, 0.4030** 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 **13.7384, 0.1791, 0.1648**, and the grayscale version is **17.0047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1767, 0.5008, 0.4029**, and **7.0356, 0.5860, 0.3729** is the 20% darker color. If you saturate the color by 10%, you get **19.8761, 0.5481, 0.4030**, and if you desaturate by 10%, it is **21.8824, 0.5268, 0.4097**.

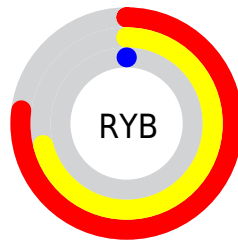
Distribution



Red (77%)

Green (37%)

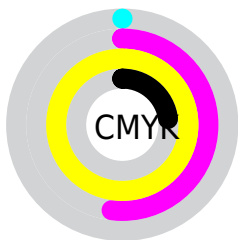
Blue (0%)



Red (77%)

Yellow (71%)

Blue (0%)

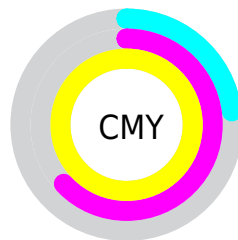


Cyan (0%)

Magenta (52%)

Yellow (100%)

Black (23%)



Cyan (23%)


Magenta (63%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.8757, 0.5481, 0.4030 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 19.8757, 0.5481, 0.4030 by changing the saturation by 10% instead.


 19.8757, 0.5481,
0.4030


 19.8757, 0.5481,
0.4030


251.2414, 0.4244,
0.3808


 12.3047, 0.5752,
0.3991


 43.2087, 0.5047,
0.4012


 6.9516, 0.6097,
0.3903


 59.7395, 0.4876,
0.3984


 3.4318, 0.6376,
0.3624

 80.0257, 0.4730,
0.3953

 1.3611, 0.6812,
0.3188

 104.4517, 0.4604,
0.3921

 0.1878, 0.8548,
0.1452

 133.4018, 0.4495,
0.3891

 0.0000, 1.0000,
0.0000

 167.2606, 0.4401,

 0.0000, 0.0000,

0.3861


0.0000


 206.4123, 0.4317,
0.3834


 19.8757, 0.5481,
0.4030


 19.8757, 0.5481,
0.4030


 19.8761, 0.5481,
0.4030

 21.8824, 0.5268,
0.4097

 24.1919, 0.5019,
0.4118

 26.8318, 0.4743,
0.4086

 29.8193, 0.4458,
0.4012

 33.1701, 0.4179,
0.3909

■ 36.8987, 0.3919,
0.3789

■ 41.0183, 0.3683,
0.3661

■ 45.5416, 0.3473,
0.3532

■ 50.4805, 0.3288,
0.3408

Harmonies

Analogous

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



19.8757, 0.5503, 0.3239



19.8757, 0.5481, 0.4030



19.8757, 0.4760, 0.4917

Triad

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



19.8757, 0.5481, 0.4030



19.8757, 0.1681, 0.4079



19.8757, 0.2114, 0.1599

Complementary

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



19.8757, 0.5481, 0.4030



13.7384, 0.1791, 0.1648

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.



19.8757, 0.1445, 0.1548



19.8757, 0.5481, 0.4030



19.8757, 0.1215, 0.2629

Square

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



19.8757, 0.5481, 0.4030



19.8757, 0.2600, 0.5495



19.8757, 0.1161, 0.1836



19.8757, 0.3242, 0.1937

Rectangle

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



19.8757, 0.5481, 0.4030



19.8757, 0.4081, 0.5467



19.8757, 0.1161, 0.1836



19.8757, 0.1842, 0.1549

Sweetspot

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



19.8768, 0.5481, 0.4030



73.0931, 0.3694, 0.3667



12.8942, 0.4827, 0.2433



14.9534, 0.3792, 0.3722



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.



19.8768, 0.5481, 0.4030



35.0938, 0.5505, 0.4011



48.8943, 0.4253, 0.5005



11.4577, 0.3278, 0.3400



13.2362, 0.5460, 0.4047



0.7716, 0.5128, 0.4310

Inverse Universe

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



13.7384, 0.1791, 0.1648



24.0905, 0.1784, 0.1623



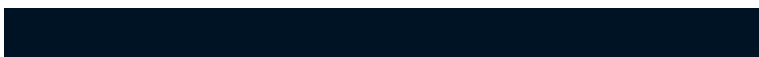
4.1747, 0.1505, 0.0619



11.1899, 0.2983, 0.3177



9.2026, 0.1797, 0.1670



0.5802, 0.1899, 0.2036

Previews

White Background



This preview shows how the Yxy color 19.8757, 0.5481, 0.4030 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 19.8757, 0.5481, 0.4030 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 19.8757, 0.5481, 0.4030

Background



This preview shows how black text looks on a background with the Yxy color 19.8757, 0.5481, 0.4030.



This preview shows how white text looks on a background with the Yxy color 19.8757, 0.5481, 0.4030.

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

19.8757, 0.5481, 0.4030

Protanopia

20.0344, 0.4353, 0.4810

Deuteranopia

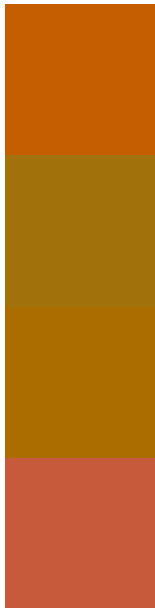
20.0248, 0.4693, 0.4655



Tritanopia

19.8861, 0.4730, 0.3221

Trichromacy



Original Color

19.8757, 0.5481, 0.4030

Protanomaly

19.4115, 0.4800, 0.4509

Deuteranomaly

19.5952, 0.5007, 0.4407

Tritanomaly

19.7702, 0.5161, 0.3644

Monochromacy



Original Color

19.8757, 0.5481, 0.4030

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.9257, 0.4128, 0.3890

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8757, 0.5481, 0.4030 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(197, 94, 0)` looks like.

```
.text, #text, p{  
    color:rgb(197, 94, 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(197, 94, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 94, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.8757, 0.5481, 0.4030 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(197, 94, 0) }
```

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

```
.border{ border-color:rgb(197, 94, 0) }
```

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

Here you see how a box with a 4 pixel rgb(197, 94, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 94, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 94, 0);  
box-shadow:4px 4px 4px 4px rgb(197, 94, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.8757, 0.5481, 0.4030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 94, 0) }
```

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

```
.background{ background-color: rgb(197, 94,  
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