

Converting Colors

$Y_{xy}(19.5027, 0.5630, 0.3854)$

Have a look what the booklet for
Yxy(19.5027, 0.5630, 0.3854)
contains.

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Color

Yxy(19.5027, 0.5630, 0.3854)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | CD550C |
| RGB | 205, 85, 12 |
| RGB Percent | 80%, 33%, 5% |
| CMY | 0.1961, 0.6666, 0.9529 |
| CMYK | 0.00, 0.59, 0.94, 0.20 |
| HSL | 23°, 89%, 43% |
| HSV | 23°, 94%, 80% |
| XYZ | 28.4899, 19.5027, 2.6112 |
| YIQ | 112.5580, 94.9530, 2.7370 |

Conversions

Conversions Part 2

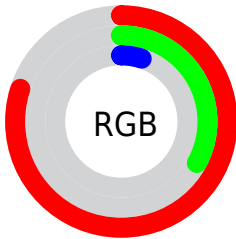
| Format | Color |
|-------------------------------------|---|
| RYB | 205, 129, 12 |
| Decimal | 13456652 |
| CIELab | 51.27, 44.66, 58.31 |
| CIELCh | 51, 73.449, 52.548 |
| Yxy | 19.5027, 0.5630, 0.3854 |
| Android (android.graphics.Color) | 4291646732 (0xFFCD550C) |
| YUV | 112.5580, -49.5751, 81.0716 |
| Hunter-Lab | 44.1619, 37.8716, 27.4077 |

Details

The Yxy color **19.5027, 0.5630, 0.3854** 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 **20.9866, 0.1919, 0.2074**, and the grayscale version is **16.5065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8543, 0.5052, 0.3920**, and **6.8196, 0.6113, 0.3528** is the 20% darker color. If you saturate the color by 10%, you get **18.3617, 0.5769, 0.3801**, and if you desaturate by 10%, it is **21.7755, 0.5357, 0.3916**.

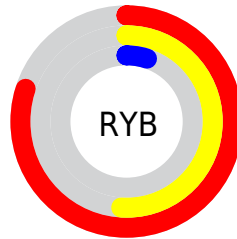
Distribution



Red (80%)

Green (33%)

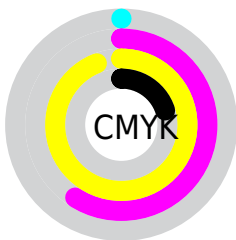
Blue (5%)



Red (80%)

Yellow (51%)

Blue (5%)

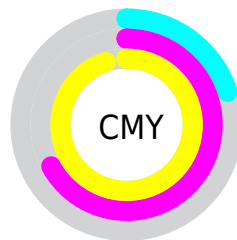


Cyan (0%)

Magenta (59%)

Yellow (94%)

Black (20%)



Cyan (20%)


Magenta (67%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.5027, 0.5630, 0.3854 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 19.5027, 0.5630, 0.3854 by changing the saturation by 10% instead.


 19.5027, 0.5630,
0.3854


 19.5027, 0.5630,
0.3854


249.2101, 0.4299,
0.3735


 12.0341, 0.5929,
0.3788


 42.5818, 0.5156,
0.3874

 6.7669, 0.6327,
0.3673


 58.9611, 0.4972,
0.3861

 3.3167, 0.6649,
0.3351

 79.0795, 0.4815,
0.3842

 1.2992, 0.7141,
0.2859

 103.3212, 0.4681,
0.3820

 0.1406, 0.9013,
0.0987

 132.0707, 0.4565,
0.3798


 0.0000, 1.0000,
0.0000

 165.7124, 0.4464,

 0.0000, 0.0000,


0.3776


0.0000


 204.6308, 0.4376,
0.3755

 19.5027, 0.5630,
0.3854


 19.5027, 0.5630,
0.3854


 18.3617, 0.5769,
0.3801

 21.7755, 0.5357,
0.3916

 24.4962, 0.5041,
0.3927

 27.6937, 0.4708,
0.3891

 31.3930, 0.4382,
0.3822

 35.6170, 0.4080,
0.3731

■ 40.3868, 0.3809,
0.3630

■ 45.7223, 0.3572,
0.3526

■ 51.6424, 0.3367,
0.3425

■ 58.1649, 0.3192,
0.3328

Harmonies

Analogous

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



19.5027, 0.5480, 0.3069



19.5027, 0.5630, 0.3854



19.5027, 0.4979, 0.4754

Triad

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



19.5027, 0.5630, 0.3854



19.5027, 0.1781, 0.4462



19.5027, 0.1905, 0.1518

Complementary

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



19.5027, 0.5630, 0.3854



20.9866, 0.1919, 0.2074

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.



19.5027, 0.1311, 0.1525



19.5027, 0.5630, 0.3854



19.5027, 0.1215, 0.2843

Square

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



19.5027, 0.5630, 0.3854



19.5027, 0.2789, 0.5754



19.5027, 0.1092, 0.1897



19.5027, 0.2973, 0.1805

Rectangle

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



19.5027, 0.5630, 0.3854



19.5027, 0.4306, 0.5369



19.5027, 0.1092, 0.1897



19.5027, 0.1659, 0.1486

Sweetspot

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



19.5038, 0.5630, 0.3854



71.0983, 0.3668, 0.3570



14.9690, 0.4321, 0.2183



14.4128, 0.3774, 0.3616



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.



19.5038, 0.5630, 0.3854



29.7099, 0.5791, 0.3784



45.3492, 0.4421, 0.4841



11.8975, 0.3281, 0.3378



11.6018, 0.5743, 0.3822



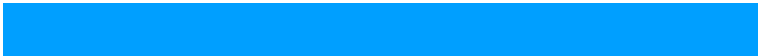
0.7437, 0.5376, 0.4113

Inverse Universe

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



20.9866, 0.1919, 0.2074



31.8584, 0.1882, 0.1974



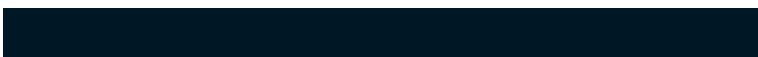
5.8559, 0.1561, 0.0771



11.9862, 0.2983, 0.3200



12.4547, 0.1892, 0.2012



0.7858, 0.1969, 0.2289

Previews

White Background



This preview shows how the Yxy color 19.5027, 0.5630, 0.3854 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 19.5027, 0.5630, 0.3854 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 19.5027, 0.5630, 0.3854

Background



This preview shows how black text looks on a background with the Yxy color 19.5027, 0.5630, 0.3854.



This preview shows how white text looks on a background with the Yxy color 19.5027, 0.5630, 0.3854.

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

19.5027, 0.5630, 0.3854

Protanopia

19.6351, 0.4315, 0.4779

Deuteranopia

19.6911, 0.4697, 0.4653



Tritanopia

19.4975, 0.5006, 0.3239

Trichromacy



Original Color

19.5027, 0.5630, 0.3854

Protanomaly

18.6692, 0.4840, 0.4408

Deuteranomaly

18.9962, 0.5080, 0.4326

Tritanomaly

19.3122, 0.5334, 0.3533

Monochromacy



Original Color

19.5027, 0.5630, 0.3854

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.3333, 0.4151, 0.3765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5027, 0.5630, 0.3854 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(205, 85, 12)` looks like.

```
.text, #text, p{  
    color:rgb(205, 85, 12)  
}
```

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(205, 85, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 85, 12) }
```

Border

The CSS property to change the border of an element to Yxy 19.5027, 0.5630, 0.3854 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(205, 85, 12) }
```

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

```
.border{ border-color:rgb(205, 85, 12) }
```

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

Here you see how a box with a 4 pixel rgb(205, 85, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 85, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 85, 12);  
box-shadow:4px 4px 4px 4px rgb(205, 85,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5027, 0.5630, 0.3854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 85, 12) }
```

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

```
.background{ background-color: rgb(205, 85,  
12) }
```

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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