

Converting Colors

$Y_{xy}(19.6870, 0.5486, 0.3842)$

Have a look what the booklet for
Yxy(19.6870, 0.5486, 0.3842)
contains.

| | |
|---|----|
| Yxy(19.6198, 0.5492, 0.3841) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(19.6198, 0.5492, 0.3841)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | CA581C |
| RGB | 202, 88, 28 |
| RGB Percent | 79%, 35%, 11% |
| CMY | 0.2079, 0.6548, 0.8902 |
| CMYK | 0.00, 0.56, 0.86, 0.21 |
| HSL | 21°, 76%, 45% |
| HSV | 21°, 86%, 79% |
| XYZ | 28.0531, 19.6198, 3.4070 |
| YIQ | 115.2460, 87.2040, 5.5080 |

Conversions

Conversions Part 2

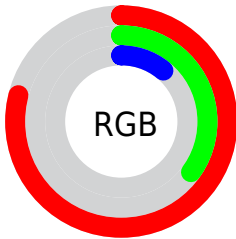
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 202, 120, 28 |
| Decimal | 13260828 |
| CIE _{Lab} | 51.40, 42.37, 53.19 |
| CIE _{LCh} | 51, 68.001, 51.463 |
| Yxy | 19.6198, 0.5492, 0.3841 |
| Android (android.graphics.Color) | 4291450908 (0xFFCA581C) |
| YUV | 115.2460, -43.0123, 76.0833 |
| Hunter-Lab | 44.2942, 35.5354, 26.4455 |

Details

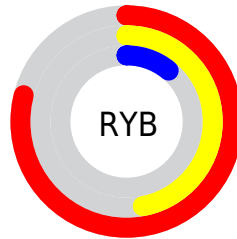
The Yxy color **19.6198, 0.5492, 0.3841** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed red. A complement of this color would be **23.8455, 0.2000, 0.2292**, and the grayscale version is **17.3385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8743, 0.4942, 0.3871**, and **6.9245, 0.6030, 0.3594** is the 20% darker color. If you saturate the color by 10%, you get **17.5751, 0.5763, 0.3766**, and if you desaturate by 10%, it is **22.1255, 0.5167, 0.3866**.

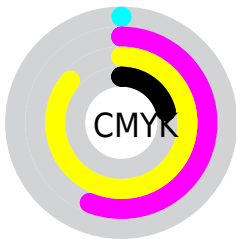
Distribution



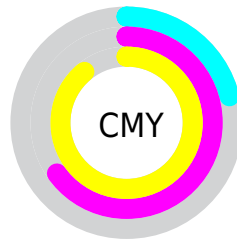
- Red (79%)
- Green (35%)
- Blue (11%)



- Red (79%)
- Yellow (47%)
- Blue (11%)



- Cyan (0%)
- Magenta (56%)
- Yellow (86%)
- Black (21%)





- Cyan (21%)
- Magenta (65%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6198, 0.5492, 0.3841 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 19.6198, 0.5492, 0.3841 by changing the saturation by 10% instead.


 19.6198, 0.5492,
0.3841


 19.6198, 0.5492,
0.3841


249.8494, 0.4213,
0.3696


 12.1190, 0.5796,
0.3795


 42.7788, 0.5026,
0.3841

 6.8248, 0.6236,
0.3728


 59.2058, 0.4849,
0.3823


 3.3527, 0.6568,
0.3432

 79.3770, 0.4699,
0.3802

 1.3185, 0.7045,
0.2955

 103.6767, 0.4572,
0.3779

 0.1555, 0.8878,
0.1122

 132.4895, 0.4463,
0.3757


 0.0000, 1.0000,
0.0000


 166.1995, 0.4368,


 0.0000, 0.0000,


0.3735


0.0000


 205.1914, 0.4285,
0.3715


 19.6198, 0.5492,
0.3841


 19.6198, 0.5492,
0.3841

 17.5751, 0.5763,
0.3766


 22.1255, 0.5167,
0.3866

 16.8944, 0.5857,
0.3731

 25.1200, 0.4819,
0.3846

 28.6320, 0.4476,
0.3789

 32.6867, 0.4157,
0.3710

 37.3073, 0.3871,
0.3620

■ 42.5156, 0.3622,
0.3525

■ 48.3323, 0.3408,
0.3431

■ 54.7769, 0.3225,
0.3342

■ 61.8680, 0.3070,
0.3259

Harmonies

Analogous

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



19.6198, 0.5290, 0.3081



19.6198, 0.5492, 0.3841



19.6198, 0.4933, 0.4685

Triad

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



19.6198, 0.5492, 0.3841



19.6198, 0.1909, 0.4424



19.6198, 0.1953, 0.1606

Complementary

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



19.6198, 0.5492, 0.3841



23.8455, 0.2000, 0.2292

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.



19.6198, 0.1393, 0.1629



19.6198, 0.5492, 0.3841



19.6198, 0.1336, 0.2938

Square

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



19.6198, 0.5492, 0.3841



19.6198, 0.2883, 0.5563



19.6198, 0.1193, 0.2014



19.6198, 0.2947, 0.1873

Rectangle

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



19.6198, 0.5492, 0.3841



19.6198, 0.4317, 0.5240



19.6198, 0.1193, 0.2014



19.6198, 0.1721, 0.1580

Sweetspot

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



19.6209, 0.5492, 0.3841



71.7943, 0.3627, 0.3527



15.3980, 0.4083, 0.2110



14.6810, 0.3711, 0.3560



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.



19.6209, 0.5492, 0.3841



28.2343, 0.5881, 0.3712



42.5197, 0.4426, 0.4764



11.8360, 0.3282, 0.3371



11.0241, 0.5833, 0.3750



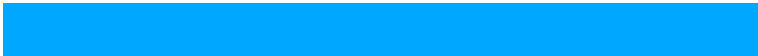
0.7097, 0.5453, 0.4052

Inverse Universe

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



23.8455, 0.2000, 0.2292



34.8689, 0.1916, 0.2095



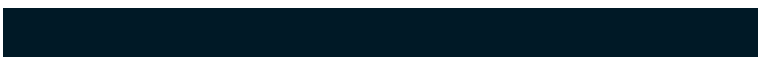
7.4365, 0.1643, 0.0970



12.0500, 0.2983, 0.3208



13.5898, 0.1925, 0.2130



0.8392, 0.1995, 0.2383

Previews

White Background



This preview shows how the Yxy color 19.6198, 0.5492, 0.3841 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 19.6198, 0.5492, 0.3841 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 19.6198, 0.5492, 0.3841

Background



This preview shows how black text looks on a background with the Yxy color 19.6198, 0.5492, 0.3841.



This preview shows how white text looks on a background with the Yxy color 19.6198, 0.5492, 0.3841.

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

19.6198, 0.5492, 0.3841

Protanopia

19.7028, 0.4240, 0.4668

Deuteranopia

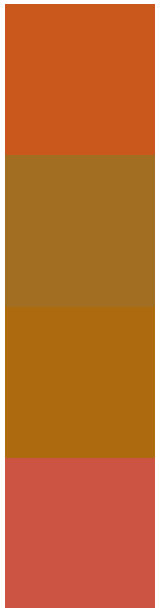
19.8080, 0.4687, 0.4616



Tritanopia

19.5765, 0.4889, 0.3225

Trichromacy



Original Color

19.6198, 0.5492, 0.3841

Protanomaly

18.8444, 0.4730, 0.4335

Deuteranomaly

19.2268, 0.5030, 0.4303

Tritanomaly

19.4305, 0.5177, 0.3495

Monochromacy



Original Color

19.6198, 0.5492, 0.3841

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.9307, 0.4049, 0.3677

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6198, 0.5492, 0.3841 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(202, 88, 28)` looks like.

```
.text, #text, p{  
    color:rgb(202, 88, 28)  
}
```

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(202, 88, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 88, 28) }
```

Border

The CSS property to change the border of an element to Yxy 19.6198, 0.5492, 0.3841 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(202, 88, 28) }
```

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

```
.border{ border-color:rgb(202, 88, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 88, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 88, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 88, 28);  
box-shadow:4px 4px 4px 4px rgb(202, 88,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6198, 0.5492, 0.3841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 88, 28) }
```

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

```
.background{ background-color: rgb(202, 88,  
28) }
```

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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