

Converting Colors

$Y_{xy}(19.6708, 0.5452, 0.3910)$

Have a look what the booklet for
Yxy(19.6708, 0.5452, 0.3910)
contains.

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Color

Yxy(19.6902, 0.5452, 0.3909)

Conversions

Conversions Part 1

Format	Color
Hex	C75B18
RGB	199, 91, 24
RGB Percent	78%, 36%, 9%
CMY	0.2195, 0.6432, 0.9058
CMYK	0.00, 0.54, 0.88, 0.22
HSL	23°, 78%, 44%
HSV	23°, 88%, 78%
XYZ	27.4625, 19.6902, 3.2187
YIQ	115.6540, 85.8750, 2.0590

Conversions

Conversions Part 2

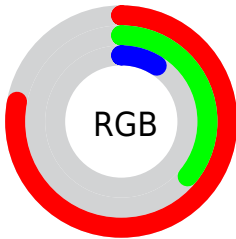
Format	Color
RYB	199, 133, 24
Decimal	13064984
CIELab	51.49, 39.67, 54.51
CIElCh	51, 67.417, 53.959
Yxy	19.6902, 0.5452, 0.3909
Android (android.graphics.Color)	4291255064 (0xFFC75B18)
YUV	115.6540, -45.1854, 73.0944
Hunter-Lab	44.3736, 32.8184, 26.7608

Details

The Yxy color **19.6902, 0.5452, 0.3909** 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 **20.8351, 0.1956, 0.2151**, and the grayscale version is **17.4756, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4267, 0.4946, 0.3913**, and **6.9209, 0.5946, 0.3661** is the 20% darker color. If you saturate the color by 10%, you get **17.7031, 0.5704, 0.3831**, and if you desaturate by 10%, it is **22.0816, 0.5151, 0.3937**.

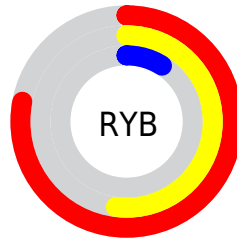
Distribution



Red (78%)

Green (36%)

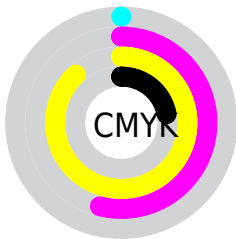
Blue (9%)



Red (78%)

Yellow (52%)

Blue (9%)

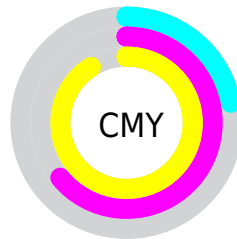


Cyan (0%)

Magenta (54%)

Yellow (88%)

Black (22%)



Cyan (22%)


Magenta (64%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6902, 0.5452, 0.3909 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 19.6902, 0.5452, 0.3909 by changing the saturation by 10% instead.


 19.6902, 0.5452,
0.3909

 19.6902, 0.5452,
0.3909


250.2330, 0.4201,
0.3727


 12.1701, 0.5745,
0.3871


 42.8972, 0.4999,
0.3896


 6.8596, 0.6179,
0.3821


 59.3528, 0.4826,
0.3873


 3.3744, 0.6474,
0.3526

 79.5557, 0.4679,
0.3848

 1.3302, 0.6933,
0.3067

 103.8902, 0.4554,
0.3821

 0.1644, 0.8756,
0.1244

 132.7408, 0.4447,
0.3796

 0.0000, 1.0000,
0.0000

 166.4919, 0.4354,

 0.0000, 0.0000,


0.3771

0.0000


 205.5278, 0.4272,
0.3749


 19.6902, 0.5452,
0.3909


 19.6902, 0.5452,
0.3909


 17.7031, 0.5704,
0.3831


 22.0816, 0.5151,
0.3937

 17.3352, 0.5753,
0.3814

 24.9030, 0.4823,
0.3916

 28.1793, 0.4495,
0.3857

 31.9321, 0.4185,
0.3772

 36.1811, 0.3904,
0.3673

■ 40.9452, 0.3656,
0.3568

■ 46.2419, 0.3440,
0.3464

■ 52.0879, 0.3255,
0.3365

■ 58.4992, 0.3096,
0.3271

Harmonies

Analogous

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



19.6902, 0.5322, 0.3146



19.6902, 0.5452, 0.3909



19.6902, 0.4855, 0.4751

Triad

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



19.6902, 0.5452, 0.3909



19.6902, 0.1855, 0.4283



19.6902, 0.2027, 0.1628

Complementary

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



19.6902, 0.5452, 0.3909



20.8351, 0.1956, 0.2151

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.



19.6902, 0.1436, 0.1627



19.6902, 0.5452, 0.3909



19.6902, 0.1323, 0.2843

Square

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



19.6902, 0.5452, 0.3909



19.6902, 0.2799, 0.5489



19.6902, 0.1210, 0.1976



19.6902, 0.3050, 0.1917

Rectangle

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



19.6902, 0.5452, 0.3909



19.6902, 0.4229, 0.5288



19.6902, 0.1210, 0.1976



19.6902, 0.1784, 0.1595

Sweetspot

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



19.6913, 0.5452, 0.3909



73.0506, 0.3620, 0.3552



14.5438, 0.4217, 0.2171



14.9752, 0.3702, 0.3589



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.



19.6913, 0.5452, 0.3909



29.9178, 0.5778, 0.3794



43.1371, 0.4381, 0.4823



11.2912, 0.3280, 0.3379



11.3025, 0.5729, 0.3833



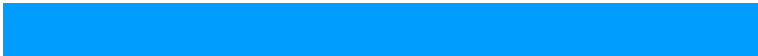
0.6747, 0.5339, 0.4143

Inverse Universe

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



20.8351, 0.1956, 0.2151



31.4749, 0.1877, 0.1958



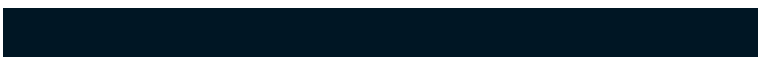
6.3807, 0.1611, 0.0877



11.3594, 0.2984, 0.3199



11.9097, 0.1888, 0.1998



0.7008, 0.1971, 0.2297

Previews

White Background



This preview shows how the Yxy color 19.6902, 0.5452, 0.3909 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 19.6902, 0.5452, 0.3909 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 19.6902, 0.5452, 0.3909

Background



This preview shows how black text looks on a background with the Yxy color 19.6902, 0.5452, 0.3909.



This preview shows how white text looks on a background with the Yxy color 19.6902, 0.5452, 0.3909.

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

19.6902, 0.5452, 0.3909

Protanopia

19.9229, 0.4260, 0.4728

Deuteranopia

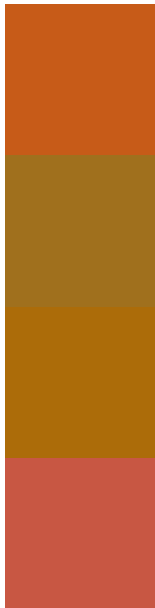
19.7905, 0.4709, 0.4643



Tritanopia

19.6698, 0.4787, 0.3222

Trichromacy



Original Color

19.6902, 0.5452, 0.3909

Protanomaly

19.1506, 0.4722, 0.4408

Deuteranomaly

19.5155, 0.5007, 0.4358

Tritanomaly

19.5010, 0.5104, 0.3525

Monochromacy



Original Color

19.6902, 0.5452, 0.3909

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.2509, 0.4020, 0.3714

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6902, 0.5452, 0.3909 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(199, 91, 24)` looks like.

```
.text, #text, p{  
    color:rgb(199, 91, 24)  
}
```

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(199, 91, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 91, 24) }
```

Border

The CSS property to change the border of an element to Yxy 19.6902, 0.5452, 0.3909 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(199, 91, 24) }
```

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

```
.border{ border-color:rgb(199, 91, 24) }
```

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

Here you see how a box with a 4 pixel rgb(199, 91, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 91, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 91, 24);  
box-shadow:4px 4px 4px 4px rgb(199, 91,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6902, 0.5452, 0.3909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 91, 24) }
```

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

```
.background{ background-color: rgb(199, 91,  
24) }
```

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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