

Converting Colors

$Y_{xy}(20.1355, 0.5340, 0.3851)$

Have a look what the booklet for
Yxy(20.1355, 0.5340, 0.3851)
contains.

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Color

Yxy(20.1108, 0.5331, 0.3854)

Conversions

Conversions Part 1

Format	Color
Hex	C75D26
RGB	199, 93, 38
RGB Percent	78%, 36%, 15%
CMY	0.2196, 0.6353, 0.8508
CMYK	0.00, 0.53, 0.81, 0.22
HSL	20°, 68%, 46%
HSV	20°, 81%, 78%
XYZ	27.8180, 20.1108, 4.2528
YIQ	118.4240, 80.8310, 5.3670

Conversions

Conversions Part 2

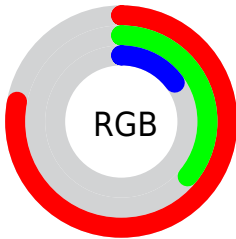
Format	Color
R _Y B	199, 122, 38
Decimal	13065510
CIE Lab	51.96, 39.03, 49.32
CIE LCh	52, 62.894, 51.642
Yxy	20.1108, 0.5331, 0.3854
Android (android.graphics.Color)	4291255590 (0xFFC75D26)
YUV	118.4240, -39.6490, 70.6652
Hunter-Lab	44.8451, 32.2472, 25.7689

Details

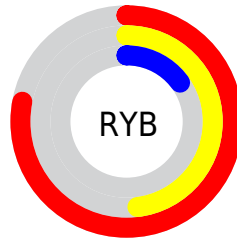
The Yxy color **20.1108, 0.5331, 0.3854** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **24.4943, 0.2043, 0.2373**, and the grayscale version is **18.3670, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1989, 0.4841, 0.3849**, and **7.0592, 0.5910, 0.3689** is the 20% darker color. If you saturate the color by 10%, you get **17.9090, 0.5635, 0.3805**, and if you desaturate by 10%, it is **22.7777, 0.4989, 0.3854**.

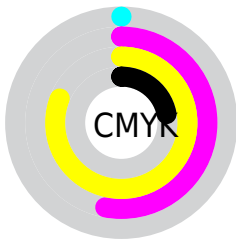
Distribution



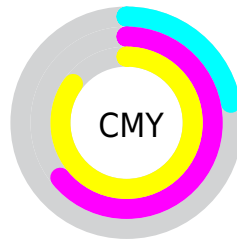
- Red (78%)
- Green (36%)
- Blue (15%)



- Red (78%)
- Yellow (48%)
- Blue (15%)



- Cyan (0%)
- Magenta (53%)
- Yellow (81%)
- Black (22%)





- Cyan (22%)
- Magenta (64%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1108, 0.5331, 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 20.1108, 0.5331, 0.3854 by changing the saturation by 10% instead.


 20.1108, 0.5331,
0.3854


 20.1108, 0.5331,
0.3854


252.5143, 0.4128,
0.3675


 12.4756, 0.5628,
0.3831

 43.6029, 0.4886,
0.3832


 7.0685, 0.6016,
0.3768


 60.2285, 0.4720,
0.3809


 3.5050, 0.6436,
0.3564

 80.6198, 0.4580,
0.3784


 1.4007, 0.6880,
0.3120

 105.1611, 0.4461,
0.3760

 0.2172, 0.8468,
0.1532

 134.2368, 0.4360,
0.3736

 0.0000, 1.0000,
0.0000

 168.2313, 0.4272,

 0.0000, 0.0000,

0.3714

0.0000

207.5290, 0.4195,
0.3694

■ 20.1108, 0.5331,
0.3854

■ 20.1108, 0.5331,
0.3854

■ 17.9090, 0.5635,
0.3805

■ 22.7777, 0.4989,
0.3854

■ 16.2706, 0.5865,
0.3725

■ 25.9347, 0.4639,
0.3814

■ 29.6083, 0.4306,
0.3745

■ 33.8222, 0.4003,
0.3660

■ 38.5983, 0.3736,
0.3567

■ 43.9572, 0.3505,
0.3473

■ 49.9185, 0.3308,
0.3383

■ 56.5007, 0.3141,
0.3297

■ 63.7216, 0.2999,
0.3218

Harmonies

Analogous

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



20.1108, 0.5123, 0.3123



20.1108, 0.5331, 0.3854



20.1108, 0.4837, 0.4641

Triad

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



20.1108, 0.5331, 0.3854



20.1108, 0.2003, 0.4315



20.1108, 0.2038, 0.1706

Complementary

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



20.1108, 0.5331, 0.3854



24.4943, 0.2043, 0.2373

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.



20.1108, 0.1497, 0.1733



20.1108, 0.5331, 0.3854



20.1108, 0.1451, 0.2977

Square

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



20.1108, 0.5331, 0.3854



20.1108, 0.2924, 0.5349



20.1108, 0.1305, 0.2109



20.1108, 0.2975, 0.1963

Rectangle

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



20.1108, 0.5331, 0.3854



20.1108, 0.4271, 0.5132



20.1108, 0.1305, 0.2109



20.1108, 0.1815, 0.1682

Sweetspot

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



20.1119, 0.5331, 0.3854



73.5933, 0.3581, 0.3506



15.5861, 0.4006, 0.2125



15.0282, 0.3665, 0.3539



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.



20.1119, 0.5331, 0.3854



28.9507, 0.5822, 0.3736



41.8535, 0.4376, 0.4734



11.2192, 0.3281, 0.3369



10.6097, 0.5840, 0.3745



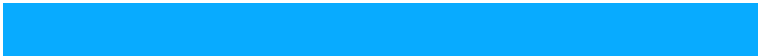
0.6373, 0.5432, 0.4069

Inverse Universe

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



24.4943, 0.2043, 0.2373



36.2205, 0.1933, 0.2147



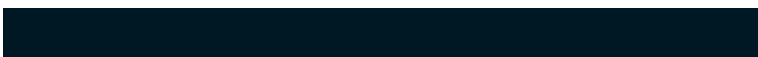
8.3020, 0.1704, 0.1089



11.4340, 0.2984, 0.3209



13.2655, 0.1929, 0.2144



0.7588, 0.2003, 0.2411

Previews

White Background



This preview shows how the Yxy color 20.1108, 0.5331, 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 20.1108, 0.5331, 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 20.1108, 0.5331, 0.3854

Background



This preview shows how black text looks on a background with the Yxy color 20.1108, 0.5331, 0.3854.



This preview shows how white text looks on a background with the Yxy color 20.1108, 0.5331, 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

20.1108, 0.5331, 0.3854

Protanopia

20.3535, 0.4164, 0.4587

Deuteranopia

20.2137, 0.4600, 0.4512



Tritanopia

20.0242, 0.4741, 0.3221

Trichromacy



Original Color

20.1108, 0.5331, 0.3854

Protanomaly

19.5617, 0.4619, 0.4294

Deuteranomaly

19.8122, 0.4886, 0.4256

Tritanomaly

19.9052, 0.5004, 0.3484

Monochromacy



Original Color

20.1108, 0.5331, 0.3854

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.8616, 0.3936, 0.3642

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1108, 0.5331, 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(199, 93, 38)` looks like.

```
.text, #text, p{  
    color:rgb(199, 93, 38)  
}
```

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, 93, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 93, 38) }
```

Border

The CSS property to change the border of an element to Yxy 20.1108, 0.5331, 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(199, 93, 38) }
```

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

```
.border{ border-color:rgb(199, 93, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 93, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 93, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 93, 38);  
box-shadow:4px 4px 4px 4px rgb(199, 93,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1108, 0.5331, 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(199, 93, 38) }
```

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

```
.background{ background-color: rgb(199, 93,  
38) }
```

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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