

Converting Colors

$Y_{xy}(20.6827, 0.5459, 0.3980)$

Have a look what the booklet for
Yxy(20.6827, 0.5459, 0.3980)
contains.

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Color

Yxy(20.6336, 0.5455, 0.3983)

Conversions

Conversions Part 1

Format	Color
Hex	C95F0E
RGB	201, 95, 14
RGB Percent	79%, 37%, 5%
CMY	0.2118, 0.6274, 0.9448
CMYK	0.00, 0.53, 0.93, 0.21
HSL	26°, 87%, 42%
HSV	26°, 93%, 79%
XYZ	28.2592, 20.6336, 2.9114
YIQ	117.4600, 89.1770, -2.7190

Conversions

Conversions Part 2

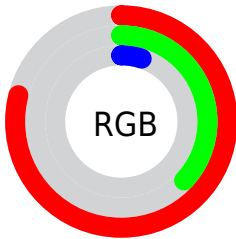
Format	Color
R _Y B	201, 157, 14
Decimal	13197070
CIE Lab	52.55, 38.26, 58.38
CIE LCh	53, 69.797, 56.760
Yxy	20.6336, 0.5455, 0.3983
Android (android.graphics.Color)	4291387150 (0xFFC95F0E)
YUV	117.4600, -51.0058, 73.2646
Hunter-Lab	45.4242, 31.5555, 27.9969

Details

The Yxy color **20.6336, 0.5455, 0.3983** 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 **17.7613, 0.1877, 0.1910**, and the grayscale version is **18.0841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5696, 0.4952, 0.3994**, and **7.4522, 0.5870, 0.3722** is the 20% darker color. If you saturate the color by 10%, you get **19.2373, 0.5612, 0.3926**, and if you desaturate by 10%, it is **22.9253, 0.5198, 0.4030**.

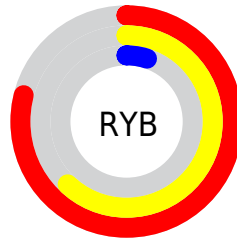
Distribution



Red (79%)

Green (37%)

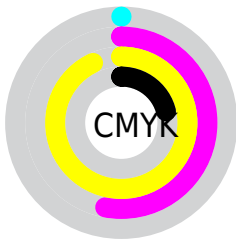
Blue (5%)



Red (79%)

Yellow (62%)

Blue (5%)

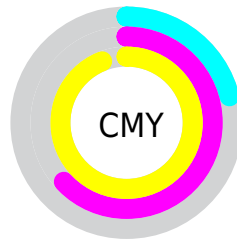


Cyan (0%)

Magenta (53%)

Yellow (93%)

Black (21%)



Cyan (21%)


Magenta (63%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6336, 0.5455, 0.3983 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 20.6336, 0.5455, 0.3983 by changing the saturation by 10% instead.


 20.6336, 0.5455,
0.3983


 20.6336, 0.5455,
0.3983


255.3248, 0.4225,
0.3775


 12.8564, 0.5730,
0.3947


 44.4769, 0.5019,
0.3964

 7.3298, 0.6113,
0.3887


 61.3119, 0.4849,
0.3938


 3.6692, 0.6390,
0.3610

 81.9349, 0.4704,
0.3909

 1.4903, 0.6817,
0.3183

 106.7304, 0.4580,
0.3880

 0.2819, 0.8167,
0.1833

 136.0828, 0.4473,
0.3851


 0.0000, 1.0000,
0.0000

 170.3763, 0.4379,

 0.0000, 0.0000,

0.3824


0.0000

 209.9956, 0.4297,
0.3799


 20.6336, 0.5455,
0.3983


 20.6336, 0.5455,
0.3983


 19.2373, 0.5612,
0.3926

 22.9253, 0.5198,
0.4030

 25.5964, 0.4906,
0.4023

 28.6698, 0.4599,
0.3970

 32.1651, 0.4299,
0.3885

 36.1000, 0.4018,
0.3779

■ 40.4913, 0.3764,
0.3664

■ 45.3545, 0.3540,
0.3546

■ 50.7044, 0.3343,
0.3431

■ 56.5551, 0.3173,
0.3321

Harmonies

Analogous

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



20.6336, 0.5412, 0.3207



20.6336, 0.5455, 0.3983



20.6336, 0.4791, 0.4844

Triad

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



20.6336, 0.5455, 0.3983



20.6336, 0.1762, 0.4154



20.6336, 0.2087, 0.1622

Complementary

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



20.6336, 0.5455, 0.3983



17.7613, 0.1877, 0.1910

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.



20.6336, 0.1452, 0.1591



20.6336, 0.5455, 0.3983



20.6336, 0.1270, 0.2720

Square

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



20.6336, 0.5455, 0.3983



20.6336, 0.2687, 0.5471



20.6336, 0.1193, 0.1902



20.6336, 0.3165, 0.1939

Rectangle

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



20.6336, 0.5455, 0.3983



20.6336, 0.4139, 0.5381



20.6336, 0.1193, 0.1902



20.6336, 0.1828, 0.1578

Sweetspot

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



20.6347, 0.5455, 0.3983



73.0569, 0.3657, 0.3609



14.1665, 0.4486, 0.2283



14.8772, 0.3759, 0.3661



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.



20.6347, 0.5455, 0.3983



32.4988, 0.5635, 0.3908



47.3241, 0.4321, 0.4915



11.3796, 0.3279, 0.3390



12.2707, 0.5587, 0.3946



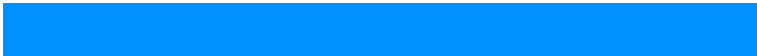
0.7244, 0.5226, 0.4232

Inverse Universe

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



17.7613, 0.1877, 0.1910



27.3481, 0.1827, 0.1777



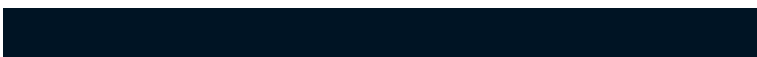
5.2222, 0.1551, 0.0725



11.2688, 0.2983, 0.3188



10.4002, 0.1839, 0.1821



0.6345, 0.1933, 0.2158

Previews

White Background



This preview shows how the Yxy color 20.6336, 0.5455, 0.3983 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 20.6336, 0.5455, 0.3983 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 20.6336, 0.5455, 0.3983

Background



This preview shows how black text looks on a background with the Yxy color 20.6336, 0.5455, 0.3983.



This preview shows how white text looks on a background with the Yxy color 20.6336, 0.5455, 0.3983.

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

20.6336, 0.5455, 0.3983

Protanopia

20.7384, 0.4328, 0.4779

Deuteranopia

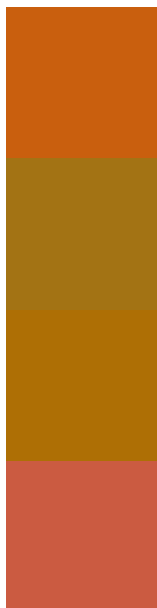
20.8039, 0.4698, 0.4651



Tritanopia

20.6250, 0.4752, 0.3222

Trichromacy



Original Color

20.6336, 0.5455, 0.3983

Protanomaly

20.0985, 0.4760, 0.4479

Deuteranomaly

20.3785, 0.4993, 0.4392

Tritanomaly

20.5603, 0.5117, 0.3588

Monochromacy



Original Color

20.6336, 0.5455, 0.3983

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.8124, 0.4073, 0.3793

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6336, 0.5455, 0.3983 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(201, 95, 14)` looks like.

```
.text, #text, p{  
    color:rgb(201, 95, 14)  
}
```

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(201, 95, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 95, 14) }
```

Border

The CSS property to change the border of an element to Yxy 20.6336, 0.5455, 0.3983 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(201, 95, 14) }
```

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

```
.border{ border-color:rgb(201, 95, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 95, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 95, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 95, 14);  
box-shadow:4px 4px 4px 4px rgb(201, 95,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6336, 0.5455, 0.3983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 95, 14) }
```

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

```
.background{ background-color: rgb(201, 95,  
14) }
```

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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