

Converting Colors

$Y_{xy}(19.4430, 0.5563, 0.3894)$

Have a look what the booklet for
Yxy(19.4430, 0.5563, 0.3894)
contains.

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Color

Yxy(19.5677, 0.5561, 0.3897)

Conversions

Conversions Part 1

Format	Color
Hex	CA580E
RGB	202, 88, 14
RGB Percent	79%, 35%, 5%
CMY	0.2079, 0.6548, 0.9450
CMYK	0.00, 0.56, 0.93, 0.21
HSL	24°, 87%, 42%
HSV	24°, 93%, 79%
XYZ	27.9230, 19.5677, 2.7215
YIQ	113.6500, 91.6980, 1.1540

Conversions

Conversions Part 2

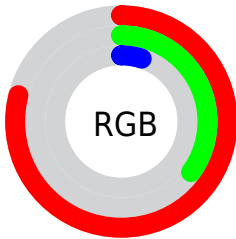
Format	Color
RYB	202, 136, 14
Decimal	13260814
CIELab	51.34, 42.11, 57.64
CIELCh	51, 71.379, 53.849
Yxy	19.5677, 0.5561, 0.3897
Android (android.graphics.Color)	4291450894 (0xFFCA580E)
YUV	113.6500, -49.1275, 77.4829
Hunter-Lab	44.2354, 35.2638, 27.3171

Details

The Yxy color **19.5677, 0.5561, 0.3897** 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 **19.7925, 0.1912, 0.2039**, and the grayscale version is **16.8490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7394, 0.5016, 0.3942**, and **6.8372, 0.6024, 0.3599** is the 20% darker color. If you saturate the color by 10%, you get **18.2209, 0.5724, 0.3837**, and if you desaturate by 10%, it is **21.8367, 0.5288, 0.3951**.

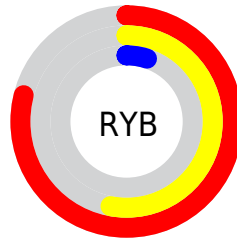
Distribution



Red (79%)

Green (35%)

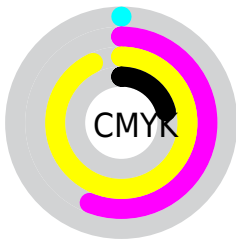
Blue (5%)



Red (79%)

Yellow (53%)

Blue (5%)

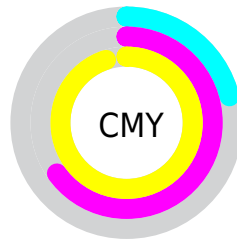


Cyan (0%)

Magenta (56%)

Yellow (93%)

Black (21%)



Cyan (21%)


Magenta (65%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.5677, 0.5561, 0.3897 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 19.5677, 0.5561, 0.3897 by changing the saturation by 10% instead.


 19.5677, 0.5561,
0.3897


 19.5677, 0.5561,
0.3897


249.5651, 0.4264,
0.3745


 12.0812, 0.5854,
0.3842


 42.6912, 0.5098,
0.3902


 6.7990, 0.6253,
0.3747

 59.0970, 0.4919,
0.3884

 3.3367, 0.6562,
0.3438

 79.2447, 0.4766,
0.3861

 1.3099, 0.7038,
0.2962

 103.5186, 0.4635,
0.3837

 0.1489, 0.8907,
0.1093

 132.3032, 0.4523,
0.3812


 0.0000, 1.0000,
0.0000

 165.9829, 0.4425,

 0.0000, 0.0000,


0.3788

0.0000


 204.9421, 0.4339,
0.3766

 19.5677, 0.5561,
0.3897


 19.5677, 0.5561,
0.3897

 18.2209, 0.5724,
0.3837

 21.8367, 0.5288,
0.3951

 24.5266, 0.4976,
0.3952

 27.6637, 0.4651,
0.3909

 31.2706, 0.4334,
0.3833

 35.3678, 0.4040,
0.3737

■ 39.9747, 0.3777,
0.3632

■ 45.1094, 0.3546,
0.3524

■ 50.7889, 0.3346,
0.3419

■ 57.0296, 0.3175,
0.3319

Harmonies

Analogous

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



19.5677, 0.5444, 0.3116



19.5677, 0.5561, 0.3897



19.5677, 0.4913, 0.4781

Triad

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



19.5677, 0.5561, 0.3897



19.5677, 0.1784, 0.4353



19.5677, 0.1969, 0.1559

Complementary

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



19.5677, 0.5561, 0.3897



19.7925, 0.1912, 0.2039

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.



19.5677, 0.1364, 0.1555



19.5677, 0.5561, 0.3897



19.5677, 0.1243, 0.2808

Square

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



19.5677, 0.5561, 0.3897



19.5677, 0.2762, 0.5646



19.5677, 0.1133, 0.1908



19.5677, 0.3035, 0.1855

Rectangle

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



19.5677, 0.5561, 0.3897



19.5677, 0.4251, 0.5366



19.5677, 0.1133, 0.1908



19.5677, 0.1720, 0.1524

Sweetspot

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



19.5688, 0.5561, 0.3897



71.6453, 0.3665, 0.3581



14.4789, 0.4363, 0.2214



14.5423, 0.3770, 0.3628



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.



19.5688, 0.5561, 0.3897



30.4489, 0.5748, 0.3818



45.2507, 0.4382, 0.4865



11.9261, 0.3280, 0.3382



11.8896, 0.5701, 0.3856



0.7601, 0.5341, 0.4141

Inverse Universe

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



19.7925, 0.1912, 0.2039



30.5339, 0.1866, 0.1918



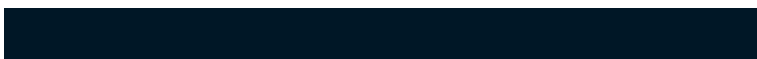
5.6160, 0.1562, 0.0765



11.9568, 0.2983, 0.3197



11.9542, 0.1877, 0.1957



0.7620, 0.1957, 0.2246

Previews

White Background



This preview shows how the Yxy color 19.5677, 0.5561, 0.3897 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 19.5677, 0.5561, 0.3897 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 19.5677, 0.5561, 0.3897

Background



This preview shows how black text looks on a background with the Yxy color 19.5677, 0.5561, 0.3897.



This preview shows how white text looks on a background with the Yxy color 19.5677, 0.5561, 0.3897.

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

19.5677, 0.5561, 0.3897

Protanopia

19.6351, 0.4315, 0.4779

Deuteranopia

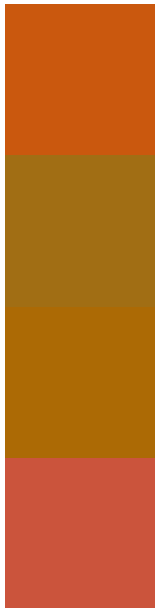
19.6911, 0.4697, 0.4653



Tritanopia

19.5601, 0.4905, 0.3237

Trichromacy



Original Color

19.5677, 0.5561, 0.3897

Protanomaly

18.7794, 0.4812, 0.4430

Deuteranomaly

19.0897, 0.5051, 0.4344

Tritanomaly

19.3634, 0.5252, 0.3554

Monochromacy



Original Color

19.5677, 0.5561, 0.3897

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.7642, 0.4106, 0.3765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5677, 0.5561, 0.3897 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, 14)` looks like.

```
.text, #text, p{  
    color:rgb(202, 88, 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(202, 88, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 88, 14) }
```

Border

The CSS property to change the border of an element to Yxy 19.5677, 0.5561, 0.3897 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, 14) }
```

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

```
.border{ border-color:rgb(202, 88, 14) }
```

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, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 88, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 88, 14);  
box-shadow:4px 4px 4px 4px rgb(202, 88,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5677, 0.5561, 0.3897 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, 14) }
```

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

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