

Converting Colors

$Y_{xy}(22.4360, 0.5276, 0.4175)$

Have a look what the booklet for
Yxy(22.4360, 0.5276, 0.4175)
contains.

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Color

Yxy(22.3945, 0.5276, 0.4175)

Conversions

Conversions Part 1

Format	Color
Hex	C56B04
RGB	197, 107, 4
RGB Percent	77%, 42%, 2%
CMY	0.2276, 0.5803, 0.9844
CMYK	0.00, 0.46, 0.98, 0.23
HSL	32°, 96%, 39%
HSV	32°, 98%, 77%
XYZ	28.3002, 22.3945, 2.9448
YIQ	122.1680, 86.7030, -12.9530

Conversions

Conversions Part 2

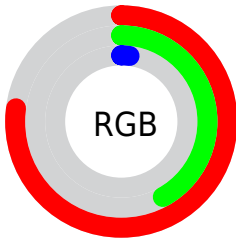
Format	Color
RYB	173, 197, 4
Decimal	12937988
CIELab	54.44, 30.24, 61.42
CIELCh	54, 68.462, 63.784
Yxy	22.3945, 0.5276, 0.4175
Android (android.graphics.Color)	4291128068 (0xFFC56B04)
YUV	122.1680, -58.2568, 65.6277
Hunter-Lab	47.3228, 23.9324, 29.4365

Details

The Yxy color **22.3945, 0.5276, 0.4175** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **12.0465, 0.1753, 0.1495**, and the grayscale version is **19.6936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4615, 0.4857, 0.4130**, and **8.2604, 0.5580, 0.3951** is the 20% darker color. If you saturate the color by 10%, you get **22.0052, 0.5314, 0.4163**, and if you desaturate by 10%, it is **24.4690, 0.5083, 0.4224**.

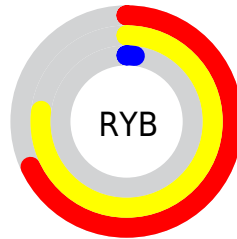
Distribution



Red (77%)

Green (42%)

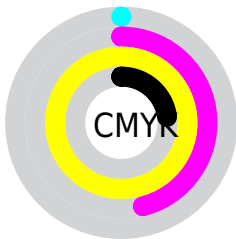
Blue (2%)



Red (68%)

Yellow (77%)

Blue (2%)

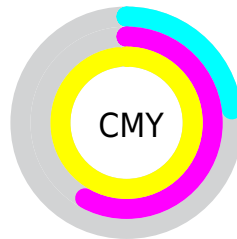


Cyan (0%)

Magenta (46%)

Yellow (98%)

Black (23%)



Cyan (23%)

Magenta (58%)

Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3945, 0.5276, 0.4175 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 22.3945, 0.5276, 0.4175 by changing the saturation by 10% instead.


 22.3945, 0.5276,
0.4175


 22.3945, 0.5276,
0.4175


264.5996, 0.4167,
0.3856


 14.1471, 0.5513,
0.4172


 47.3972, 0.4891,
0.4112

 8.2230, 0.5842,
0.4158


 64.9212, 0.4738,
0.4071


 4.2380, 0.6057,
0.3943

 86.3062, 0.4607,
0.4029

 1.8076, 0.6391,
0.3609

 111.9365, 0.4494,
0.3989

 0.4919, 0.7194,
0.2806

 142.1966, 0.4395,
0.3952

 0.0000, 1.0000,
0.0000

 177.4709, 0.4310,

 0.0000, 0.0000,


0.3917


0.0000

 218.1438, 0.4234,
0.3885


 22.3945, 0.5276,
0.4175


 22.3945, 0.5276,
0.4175


 22.0052, 0.5314,
0.4163

 24.4690, 0.5083,
0.4224

 26.8083, 0.4856,
0.4220

 29.4326, 0.4604,
0.4167

 32.3563, 0.4344,
0.4074

 35.5924, 0.4090,
0.3953

■ 39.1526, 0.3849,
0.3817

■ 43.0480, 0.3628,
0.3674

■ 47.2890, 0.3429,
0.3532

■ 51.8853, 0.3253,
0.3395

Harmonies

Analogous

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



22.3945, 0.5406, 0.3397



22.3945, 0.5276, 0.4175



22.3945, 0.4544, 0.5000

Triad

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



22.3945, 0.5276, 0.4175



22.3945, 0.1665, 0.3763



22.3945, 0.2335, 0.1723

Complementary

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



22.3945, 0.5276, 0.4175



12.0465, 0.1753, 0.1495

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.



22.3945, 0.1616, 0.1627



22.3945, 0.5276, 0.4175



22.3945, 0.1282, 0.2514

Square

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



22.3945, 0.5276, 0.4175



22.3945, 0.2482, 0.5145



22.3945, 0.1282, 0.1848



22.3945, 0.3460, 0.2095

Rectangle

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



22.3945, 0.5276, 0.4175



22.3945, 0.3886, 0.5442



22.3945, 0.1282, 0.1848



22.3945, 0.2048, 0.1659

Sweetspot

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



22.3957, 0.5276, 0.4175



76.0663, 0.3659, 0.3695



12.7616, 0.5059, 0.2574



15.6266, 0.3753, 0.3757



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.



22.3957, 0.5276, 0.4175



38.9127, 0.5335, 0.4146



50.9454, 0.4132, 0.5091



11.5590, 0.3276, 0.3413



14.6469, 0.5295, 0.4178



0.8375, 0.5005, 0.4408

Inverse Universe

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



12.0465, 0.1753, 0.1495



20.3762, 0.1731, 0.1432



4.1833, 0.1518, 0.0620



11.0887, 0.2983, 0.3163



7.8286, 0.1745, 0.1482



0.5153, 0.1856, 0.1879

Previews

White Background



This preview shows how the Yxy color 22.3945, 0.5276, 0.4175 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 22.3945, 0.5276, 0.4175 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 22.3945, 0.5276, 0.4175

Background



This preview shows how black text looks on a background with the Yxy color 22.3945, 0.5276, 0.4175.



This preview shows how white text looks on a background with the Yxy color 22.3945, 0.5276, 0.4175.

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

22.3945, 0.5276, 0.4175

Protanopia

22.4761, 0.4352, 0.4831

Deuteranopia

22.4146, 0.4708, 0.4644



Tritanopia

22.5934, 0.4439, 0.3204

Trichromacy



Original Color

22.3945, 0.5276, 0.4175

Protanomaly

21.9449, 0.4708, 0.4583

Deuteranomaly

22.3062, 0.4927, 0.4465

Tritanomaly

22.4221, 0.4901, 0.3691

Monochromacy



Original Color

22.3945, 0.5276, 0.4175

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.6767, 0.4035, 0.3937

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3945, 0.5276, 0.4175 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(197, 107, 4)` looks like.

```
.text, #text, p{  
    color:rgb(197, 107, 4)  
}
```

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(197, 107, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 107, 4) }
```

Border

The CSS property to change the border of an element to Yxy 22.3945, 0.5276, 0.4175 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(197, 107, 4) }
```

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

```
.border{ border-color:rgb(197, 107, 4) }
```

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

Here you see how a box with a 4 pixel rgb(197, 107, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 107, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 107, 4);  
box-shadow:4px 4px 4px 4px rgb(197, 107,  
4) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3945, 0.5276, 0.4175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 107, 4) }
```

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

```
.background{ background-color: rgb(197,  
107, 4) }
```

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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