

Converting Colors

$Y_{xy}(27.9002, 0.5375, 0.3900)$

Have a look what the booklet for
Yxy(27.9002, 0.5375, 0.3900)
contains.

Yxy(27.9002, 0.5375, 0.3900)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.9002, 0.5375, 0.3900)

Conversions

Conversions Part 1

Format	Color
Hex	E66D26
RGB	230, 109, 38
RGB Percent	90%, 43%, 15%
CMY	0.0980, 0.5725, 0.8512
CMYK	0.00, 0.53, 0.84, 0.10
HSL	22°, 79%, 53%
HSV	22°, 84%, 90%
XYZ	38.4522, 27.9002, 5.1866
YIQ	137.0850, 94.9070, 3.5710

Conversions

Conversions Part 2

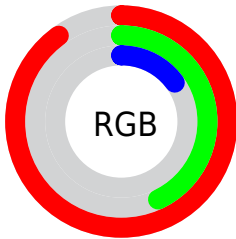
Format	Color
R_{YB}	230, 151, 38
Decimal	15101222
CIE _{Lab}	59.80, 43.08, 58.19
CIE _{LCh}	60, 72.399, 53.485
Yxy	27.9002, 0.5375, 0.3900
Android (android.graphics.Color)	4293291302 (0xFFE66D26)
YUV	137.0850, -48.8489, 81.4865
Hunter-Lab	52.8206, 37.5077, 31.1526

Details

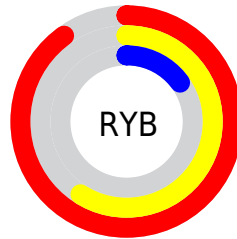
The Yxy color **27.9002, 0.5375, 0.3900** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **30.8981, 0.1994, 0.2243**, and the grayscale version is **25.2100, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1926, 0.4667, 0.4003**, and **11.1417, 0.5844, 0.3742** is the 20% darker color. If you saturate the color by 10%, you get **24.9555, 0.5652, 0.3836**, and if you desaturate by 10%, it is **31.4491, 0.5052, 0.3911**.

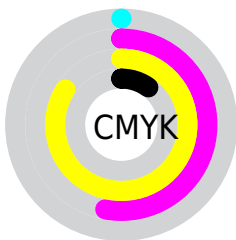
Distribution



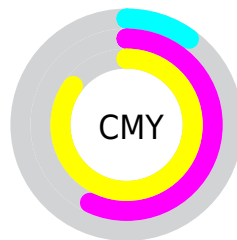
- Red (90%)
- Green (43%)
- Blue (15%)



- Red (90%)
- Yellow (59%)
- Blue (15%)



- Cyan (0%)
- Magenta (53%)
- Yellow (84%)
- Black (10%)




- Cyan (10%)
- Magenta (57%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.9002, 0.5375, 0.3900 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 27.9002, 0.5375, 0.3900 by changing the saturation by 10% instead.


 27.9002, 0.5375,
0.3900


 27.9002, 0.5375,
0.3900


291.9897, 0.4223,
0.3727


 18.2504, 0.5634,
0.3878


 56.3251, 0.4969,
0.3882

 11.1299, 0.5939,
0.3811

 75.8690, 0.4811,
0.3861


 6.1543, 0.6321,
0.3679

 99.4797, 0.4676,
0.3838

 2.9391, 0.6655,
0.3345

 127.5417, 0.4559,
0.3814

 1.1000, 0.7174,
0.2826

 160.4393, 0.4458,
0.3790

 0.0000, 1.0000,
0.0000

 198.5569, 0.4370,

 0.0000, 0.0000,

0.3768

0.0000

242.2789, 0.4292,
0.3747

■ 27.9002, 0.5375,
0.3900

■ 27.9002, 0.5375,
0.3900

■ 24.9555, 0.5652,
0.3836

■ 31.4491, 0.5052,
0.3911

■ 23.3378, 0.5804,
0.3774

■ 35.6355, 0.4712,
0.3877

■ 40.4949, 0.4381,
0.3808

■ 46.0582, 0.4075,
0.3719

■ 52.3544, 0.3802,
0.3619

■ 59.4105, 0.3563,
0.3517

■ 67.2521, 0.3358,
0.3417

■ 75.9035, 0.3182,
0.3322

■ 85.3880, 0.3033,
0.3233

Harmonies

Analogous

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



27.9002, 0.5222, 0.3154



27.9002, 0.5375, 0.3900



27.9002, 0.4823, 0.4710

Triad

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



27.9002, 0.5375, 0.3900



27.9002, 0.1921, 0.4261



27.9002, 0.2056, 0.1678

Complementary

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



27.9002, 0.5375, 0.3900



30.8981, 0.1994, 0.2243

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.



27.9002, 0.1483, 0.1684



27.9002, 0.5375, 0.3900



27.9002, 0.1389, 0.2889

Square

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



27.9002, 0.5375, 0.3900



27.9002, 0.2844, 0.5389



27.9002, 0.1267, 0.2037



27.9002, 0.3039, 0.1956

Rectangle

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



27.9002, 0.5375, 0.3900



27.9002, 0.4227, 0.5215



27.9002, 0.1267, 0.2037



27.9002, 0.1821, 0.1647

Sweetspot

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



27.9017, 0.5375, 0.3900



73.5515, 0.3600, 0.3533



20.7293, 0.4157, 0.2174



15.0569, 0.3682, 0.3570



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.



27.9017, 0.5375, 0.3900



29.3289, 0.5813, 0.3766



60.3376, 0.4353, 0.4804



15.2371, 0.3283, 0.3377



13.4264, 0.5775, 0.3796



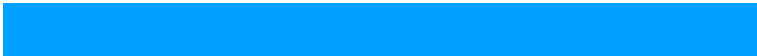
1.1652, 0.5500, 0.4015

Inverse Universe

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



30.8981, 0.1994, 0.2243



32.5855, 0.1890, 0.2004



9.7398, 0.1648, 0.0950



15.3928, 0.2981, 0.3201



14.9226, 0.1898, 0.2034



1.2790, 0.1955, 0.2237

Previews

White Background



This preview shows how the Yxy color 27.9002, 0.5375, 0.3900 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 27.9002, 0.5375, 0.3900 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 27.9002, 0.5375, 0.3900

Background



This preview shows how black text looks on a background with the Yxy color 27.9002, 0.5375, 0.3900.



This preview shows how white text looks on a background with the Yxy color 27.9002, 0.5375, 0.3900.

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

27.9002, 0.5375, 0.3900

Protanopia

28.1374, 0.4225, 0.4655

Deuteranopia

27.9066, 0.4648, 0.4565



Tritanopia

27.9305, 0.4740, 0.3220

Trichromacy



Original Color

27.9002, 0.5375, 0.3900

Protanomaly

27.2492, 0.4668, 0.4356

Deuteranomaly

27.4146, 0.4929, 0.4307

Tritanomaly

27.8835, 0.5034, 0.3519

Monochromacy



Original Color

27.9002, 0.5375, 0.3900

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.7763, 0.3978, 0.3687

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9002, 0.5375, 0.3900 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(230, 109, 38)` looks like.

```
.text, #text, p{  
    color:rgb(230, 109, 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(230, 109, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 109, 38) }
```

Border

The CSS property to change the border of an element to Yxy 27.9002, 0.5375, 0.3900 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(230, 109, 38) }
```

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

```
.border{ border-color:rgb(230, 109, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 109, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 109, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 109, 38);  
box-shadow:4px 4px 4px 4px rgb(230, 109,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9002, 0.5375, 0.3900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 109, 38) }
```

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

```
.background{ background-color: rgb(230,  
109, 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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