

Converting Colors

Yxy(38.9924, 0.5111, 0.4324)

Have a look what the booklet for
Yxy(38.9924, 0.5111, 0.4324)
contains.

Yxy(39.0830, 0.5112, 0.4323)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(39.0830, 0.5112, 0.4323)

Conversions

Conversions Part 1

Format	Color
Hex	F09200
RGB	240, 146, 0
RGB Percent	94%, 57%, 0%
CMY	0.0588, 0.4274, 0.9999
CMYK	0.00, 0.39, 1.00, 0.06
HSL	36°, 100%, 47%
HSV	36°, 100%, 94%
XYZ	46.2161, 39.0830, 5.1080
YIQ	157.4620, 102.8900, -25.4780

Conversions

Conversions Part 2

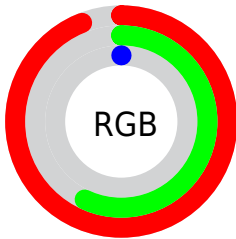
Format	Color
RYB	155, 240, 0
Decimal	15766016
CIELab	68.81, 27.61, 74.09
CIELCh	69, 79.072, 69.562
Yxy	39.0830, 0.5112, 0.4323
Android (android.graphics.Color)	4293956096 (0xFFFF09200)
YUV	157.4620, -77.6288, 72.3858
Hunter-Lab	62.5164, 22.5549, 38.9171

Details

The Yxy color **39.0830, 0.5112, 0.4323** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **14.3008, 0.1670, 0.1210**, and the grayscale version is **34.2608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.0766, 0.4456, 0.4450**, and **17.5315, 0.5295, 0.4177** is the 20% darker color. If you saturate the color by 10%, you get **39.0832, 0.5112, 0.4323**, and if you desaturate by 10%, it is **42.1697, 0.4961, 0.4368**.

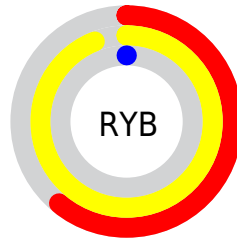
Distribution



Red (94%)

Green (57%)

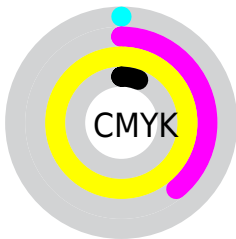
Blue (0%)



Red (61%)

Yellow (94%)

Blue (0%)

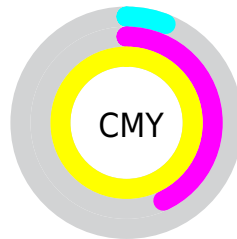


Cyan (0%)

Magenta (39%)

Yellow (100%)

Black (6%)



Cyan (6%)


Magenta (43%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.0830, 0.5112, 0.4323 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 39.0830, 0.5112, 0.4323 by changing the saturation by 10% instead.

 39.0830, 0.5112,
0.4323


 39.0830, 0.5112,
0.4323


342.2432, 0.4192,
0.3959

 26.8243, 0.5287,
0.4348


 73.7651, 0.4814,
0.4239


 17.4413, 0.5480,
0.4345


 96.9573, 0.4690,
0.4192


 10.5496, 0.5697,
0.4303


 124.5628, 0.4580,
0.4147

 5.7649, 0.5866,
0.4134

 156.9659, 0.4483,
0.4104

 2.7026, 0.6120,
0.3880

 194.5511, 0.4398,
0.4063

 0.9785, 0.6543,
0.3457

 237.7028, 0.4321,


 0.0000, 1.0000,

0.4026

0.0000


 286.8054, 0.4253,
0.3991

 0.0000, 0.0000,
0.0000

 39.0830, 0.5112,
0.4323


 39.0830, 0.5112,
0.4323


 39.0832, 0.5112,
0.4323

 42.1697, 0.4961,
0.4368

 45.5799, 0.4777,
0.4364

 49.3463, 0.4565,
0.4308

 53.4892, 0.4336,
0.4209

 58.0264, 0.4103,
0.4077

■ 62.9740, 0.3876,
0.3925

■ 68.3465, 0.3662,
0.3764

■ 74.1577, 0.3465,
0.3601

■ 80.4205, 0.3287,
0.3442

Harmonies

Analogous

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



39.0830, 0.5360, 0.3551



39.0830, 0.5112, 0.4323



39.0830, 0.4340, 0.5096

Triad

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



39.0830, 0.5112, 0.4323



39.0830, 0.1611, 0.3482



39.0830, 0.2547, 0.1819

Complementary

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



39.0830, 0.5112, 0.4323



14.3008, 0.1670, 0.1210

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.



39.0830, 0.1767, 0.1672



39.0830, 0.5112, 0.4323



39.0830, 0.1311, 0.2383

Square

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



39.0830, 0.5112, 0.4323



39.0830, 0.2335, 0.4847



39.0830, 0.1372, 0.1826



39.0830, 0.3688, 0.2231

Rectangle

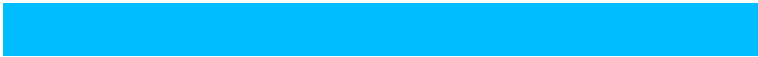
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



39.0830, 0.5112, 0.4323



39.0830, 0.3684, 0.5437



39.0830, 0.1372, 0.1826



39.0830, 0.2241, 0.1739

Sweetspot

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



39.0851, 0.5112, 0.4323



78.3638, 0.3664, 0.3765



19.3716, 0.5418, 0.2759



16.2024, 0.3753, 0.3834



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.



39.0851, 0.5112, 0.4323



44.7414, 0.5116, 0.4320



76.9247, 0.4016, 0.5193



17.3591, 0.3278, 0.3433



21.6597, 0.5093, 0.4338



1.9949, 0.4943, 0.4457

Inverse Universe

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



14.3008, 0.1670, 0.1210



16.3120, 0.1668, 0.1204



6.4864, 0.1528, 0.0615



16.2443, 0.2980, 0.3142



8.0678, 0.1678, 0.1239



0.8593, 0.1750, 0.1500

Previews

White Background



This preview shows how the Yxy color 39.0830, 0.5112, 0.4323 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 39.0830, 0.5112, 0.4323 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.0830, 0.5112, 0.4323

Background



This preview shows how black text looks on a background with the Yxy color 39.0830, 0.5112, 0.4323.



This preview shows how white text looks on a background with the Yxy color 39.0830, 0.5112, 0.4323.

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

39.0830, 0.5112, 0.4323

Protanopia

39.3668, 0.4376, 0.4848

Deuteranopia

39.2877, 0.4720, 0.4634



Tritanopia

39.2765, 0.4217, 0.3185

Trichromacy



Original Color

39.0830, 0.5112, 0.4323

Protanomaly

38.9238, 0.4647, 0.4660

Deuteranomaly

39.1307, 0.4867, 0.4518

Tritanomaly

38.7796, 0.4737, 0.3775

Monochromacy



Original Color

39.0830, 0.5112, 0.4323

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.2674, 0.4007, 0.4016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.0830, 0.5112, 0.4323 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(240, 146, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 146, 0)  
}
```

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(240, 146, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 146, 0) }
```

Border

The CSS property to change the border of an element to Yxy 39.0830, 0.5112, 0.4323 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(240, 146, 0) }
```

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

```
.border{ border-color:rgb(240, 146, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 146, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 146, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 146, 0);  
box-shadow:4px 4px 4px 4px rgb(240, 146,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 39.0830, 0.5112, 0.4323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 146, 0) }
```

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

```
.background{ background-color: rgb(240,  
146, 0) }
```

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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