

Converting Colors

$Y_{xy}(35.9410, 0.4622, 0.4680)$

Have a look what the booklet for
Yxy(35.9410, 0.4622, 0.4680)
contains.

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Color

Yxy(35.9410, 0.4622, 0.4680)

Conversions

Conversions Part 1

Format	Color
Hex	C79C0A
RGB	199, 156, 10
RGB Percent	78%, 61%, 4%
CMY	0.2196, 0.3882, 0.9598
CMYK	0.00, 0.22, 0.95, 0.22
HSL	46°, 90%, 41%
HSV	46°, 95%, 78%
XYZ	35.4956, 35.9410, 5.3604
YIQ	152.2130, 72.4940, -36.2900

Conversions

Conversions Part 2

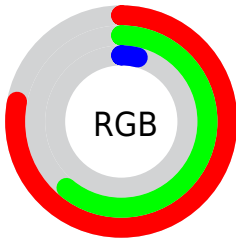
Format	Color
R _Y B	66, 199, 10
Decimal	13081610
CIE Lab	66.47, 4.57, 68.90
CIE LCh	66, 69.048, 86.204
Yxy	35.9410, 0.4622, 0.4680
Android (android.graphics.Color)	4291271690 (0xFFC79C0A)
YUV	152.2130, -70.1110, 41.0322
Hunter-Lab	59.9508, 0.7721, 36.6642

Details

The Yxy color **35.9410, 0.4622, 0.4680** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **6.7565, 0.1601, 0.0923**, and the grayscale version is **31.7948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9032, 0.4365, 0.4514**, and **15.6786, 0.4703, 0.4648** is the 20% darker color. If you saturate the color by 10%, you get **35.1443, 0.4665, 0.4678**, and if you desaturate by 10%, it is **37.5643, 0.4523, 0.4662**.

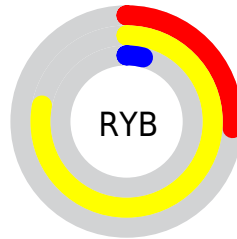
Distribution



Red (78%)

Green (61%)

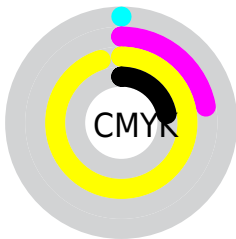
Blue (4%)



Red (26%)

Yellow (78%)

Blue (4%)

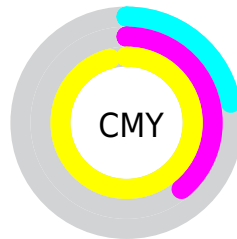


Cyan (0%)

Magenta (22%)

Yellow (95%)

Black (22%)



Cyan (22%)


Magenta (39%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.9410, 0.4622, 0.4680 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 35.9410, 0.4622, 0.4680 by changing the saturation by 10% instead.


 35.9410, 0.4622,
0.4680


 35.9410, 0.4622,
0.4680


328.7026, 0.3932,
0.4062

 24.3886, 0.4748,
0.4782


 68.9410, 0.4401,
0.4489

 15.6222, 0.4877,
0.4878


 91.1574, 0.4308,
0.4406


 9.2572, 0.5023,
0.4977


 117.6973, 0.4225,
0.4332

 4.9093, 0.5058,
0.4942

 148.9450, 0.4152,
0.4266

 2.1941, 0.5114,
0.4886

 185.2851, 0.4088,
0.4206

 0.7168, 0.5252,
0.4748

 227.1017, 0.4030,

 0.0000, 0.0000,

0.4153

0.0000

274.7794, 0.3979,
0.4105

35.9410, 0.4622,
0.4680

35.9410, 0.4622,
0.4680

35.1443, 0.4665,
0.4678

37.5643, 0.4523,
0.4662

39.3073, 0.4395,
0.4596

41.1829, 0.4243,
0.4485

43.2003, 0.4072,
0.4338

45.3674, 0.3891,
0.4163

■ 47.6913, 0.3709,
0.3972

■ 50.1788, 0.3530,
0.3773

■ 52.8357, 0.3359,
0.3574

■ 55.6678, 0.3200,
0.3381

Harmonies

Analogous

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



35.9410, 0.5123, 0.3962



35.9410, 0.4622, 0.4680



35.9410, 0.3779, 0.5203

Triad

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



35.9410, 0.4622, 0.4680



35.9410, 0.1535, 0.2869



35.9410, 0.3155, 0.2119

Complementary

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



35.9410, 0.4622, 0.4680



6.7565, 0.1601, 0.0923

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.



35.9410, 0.2237, 0.1839



35.9410, 0.4622, 0.4680



35.9410, 0.1440, 0.2135

Square

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



35.9410, 0.4622, 0.4680



35.9410, 0.2004, 0.4024



35.9410, 0.1669, 0.1826



35.9410, 0.4240, 0.2622

Rectangle

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



35.9410, 0.4622, 0.4680



35.9410, 0.3142, 0.5201



35.9410, 0.1669, 0.1826



35.9410, 0.2815, 0.1998

Sweetspot

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



35.9428, 0.4622, 0.4680



86.2849, 0.3593, 0.3844



12.6323, 0.5843, 0.3033



18.0624, 0.3671, 0.3931



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.



35.9428, 0.4622, 0.4680



61.1603, 0.4673, 0.4671



47.2220, 0.3741, 0.5384



11.9915, 0.3271, 0.3467



22.7382, 0.4658, 0.4684



1.1800, 0.4542, 0.4776

Inverse Universe

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



6.7565, 0.1601, 0.0923



10.2533, 0.1561, 0.0818



5.3244, 0.1710, 0.0739



10.6729, 0.2983, 0.3106



3.9850, 0.1572, 0.0859



0.3020, 0.1685, 0.1266

Previews

White Background



This preview shows how the Yxy color 35.9410, 0.4622, 0.4680 looks on a white background.

Color Contrast Check

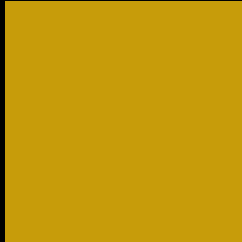
Large Text (above 18pt) WCAG AA × Fail

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 35.9410, 0.4622, 0.4680 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 35.9410, 0.4622, 0.4680

Background



This preview shows how black text looks on a background with the Yxy color 35.9410, 0.4622, 0.4680.



This preview shows how white text looks on a background with the Yxy color 35.9410, 0.4622, 0.4680.

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

35.9410, 0.4622, 0.4680

Protanopia

35.9396, 0.4389, 0.4850

Deuteranopia

36.1248, 0.4695, 0.4606



Tritanopia

35.9165, 0.3673, 0.3152

Trichromacy



Original Color

35.9410, 0.4622, 0.4680

Protanomaly

35.9895, 0.4474, 0.4787

Deuteranomaly

36.1683, 0.4668, 0.4635

Tritanomaly

35.3115, 0.4184, 0.3878

Monochromacy



Original Color

35.9410, 0.4622, 0.4680

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.1376, 0.3811, 0.4075

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9410, 0.4622, 0.4680 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(199, 156, 10)` looks like.

```
.text, #text, p{  
    color:rgb(199, 156, 10)  
}
```

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(199, 156, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 156, 10) }
```

Border

The CSS property to change the border of an element to Yxy 35.9410, 0.4622, 0.4680 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(199, 156, 10) }
```

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

```
.border{ border-color:rgb(199, 156, 10) }
```

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

Here you see how a box with a 4 pixel rgb(199, 156, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 156, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 156, 10);  
box-shadow:4px 4px 4px 4px rgb(199, 156,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9410, 0.4622, 0.4680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 156, 10) }
```

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

```
.background{ background-color: rgb(199,  
156, 10) }
```

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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