

Converting Colors

$Y_{xy}(35.7912, 0.4556, 0.4765)$

Have a look what the booklet for
Yxy(35.7912, 0.4556, 0.4765)
contains.

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Color

Yxy(35.7912, 0.4556, 0.4765)

Conversions

Conversions Part 1

Format	Color
Hex	C19E00
RGB	193, 158, 0
RGB Percent	76%, 62%, 0%
CMY	0.2431, 0.3804, 1.0000
CMYK	0.00, 0.18, 1.00, 0.24
HSL	49°, 100%, 38%
HSV	49°, 100%, 76%
XYZ	34.2213, 35.7912, 5.1002
YIQ	150.4530, 71.5780, -41.7180

Conversions

Conversions Part 2

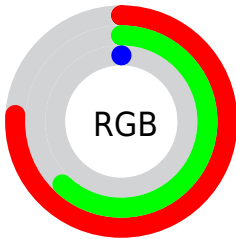
Format	Color
RYB	43, 193, 0
Decimal	12688896
CIELab	66.36, 0.70, 69.91
CIELCh	66, 69.909, 89.423
Yxy	35.7912, 0.4556, 0.4765
Android (android.graphics.Color)	4290878976 (0xFFC19E00)
YUV	150.4530, -74.1733, 37.3137
Hunter-Lab	59.8257, -2.5900, 36.8235

Details

The Yxy color **35.7912, 0.4556, 0.4765** 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 **5.0538, 0.1546, 0.0764**, and the grayscale version is **31.0030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.6658, 0.4356, 0.4553**, and **15.5837, 0.4588, 0.4739** is the 20% darker color. If you saturate the color by 10%, you get **35.7933, 0.4556, 0.4765**, and if you desaturate by 10%, it is **37.0529, 0.4484, 0.4754**.

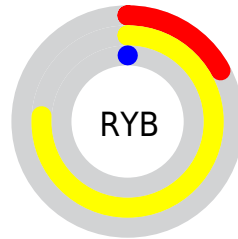
Distribution



Red (76%)

Green (62%)

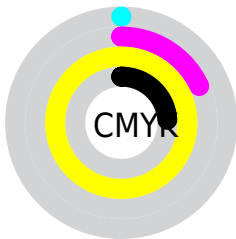
Blue (0%)



Red (17%)

Yellow (76%)

Blue (0%)

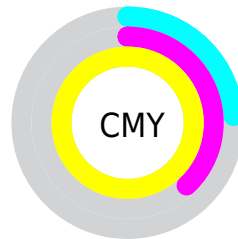


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (24%)



Cyan (24%)

Magenta (38%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.7912, 0.4556, 0.4765 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 35.7912, 0.4556, 0.4765 by changing the saturation by 10% instead.


 35.7912, 0.4556,
0.4765


 35.7912, 0.4556,
0.4765


328.0470, 0.3906,
0.4098


 24.2730, 0.4669,
0.4879


 68.7097, 0.4351,
0.4556


 15.5362, 0.4782,
0.4992


 90.8787, 0.4264,
0.4466

 9.1966, 0.4896,
0.5104


 117.3668, 0.4186,
0.4386

 4.8696, 0.4902,
0.5098

 148.5583, 0.4117,
0.4315

 2.1710, 0.4911,
0.5089

 184.8377, 0.4055,
0.4252

 0.7041, 0.4936,
0.5064

 226.5894, 0.4000,

 0.0000, 0.0000,

0.4195

0.0000

274.1977, 0.3951,
0.4144

35.7912, 0.4556,
0.4765

35.7912, 0.4556,
0.4765

35.7933, 0.4556,
0.4765

37.0529, 0.4484,
0.4754

38.3947, 0.4388,
0.4704

39.8359, 0.4264,
0.4609

41.3854, 0.4118,
0.4473

43.0511, 0.3955,
0.4304

■ 44.8396, 0.3784,
0.4112

■ 46.7570, 0.3611,
0.3907

■ 48.8089, 0.3441,
0.3697

■ 51.0004, 0.3279,
0.3490

Harmonies

Analogous

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



35.7912, 0.5116, 0.4042



35.7912, 0.4556, 0.4765



35.7912, 0.3680, 0.5254

Triad

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



35.7912, 0.4556, 0.4765



35.7912, 0.1491, 0.2758



35.7912, 0.3270, 0.2151

Complementary

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



35.7912, 0.4556, 0.4765



5.0538, 0.1546, 0.0764

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.



35.7912, 0.2309, 0.1842



35.7912, 0.4556, 0.4765



35.7912, 0.1432, 0.2068

Square

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



35.7912, 0.4556, 0.4765



35.7912, 0.1919, 0.3899



35.7912, 0.1698, 0.1798



35.7912, 0.4364, 0.2677

Rectangle

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



35.7912, 0.4556, 0.4765



35.7912, 0.3034, 0.5191



35.7912, 0.1698, 0.1798



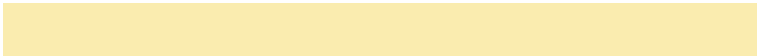
35.7912, 0.2917, 0.2020

Sweetspot

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



35.7933, 0.4556, 0.4765



83.5618, 0.3619, 0.3917



11.4630, 0.6124, 0.3147



17.6086, 0.3692, 0.4005



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.7933, 0.4556, 0.4765



63.7612, 0.4562, 0.4760



43.0432, 0.3644, 0.5489



11.4375, 0.3269, 0.3477



23.9100, 0.4550, 0.4769



1.1160, 0.4457, 0.4843

Inverse Universe

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



5.0538, 0.1546, 0.0764



8.7981, 0.1540, 0.0745



4.8468, 0.1720, 0.0721



10.0370, 0.2983, 0.3096



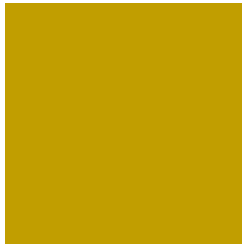
3.4466, 0.1550, 0.0781



0.2412, 0.1658, 0.1170

Previews

White Background



This preview shows how the Yxy color 35.7912, 0.4556, 0.4765 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 35.7912, 0.4556, 0.4765 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 35.7912, 0.4556, 0.4765

Background



This preview shows how black text looks on a background with the Yxy color 35.7912, 0.4556, 0.4765.



This preview shows how white text looks on a background with the Yxy color 35.7912, 0.4556, 0.4765.

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

35.7912, 0.4556, 0.4765

Protanopia

35.8033, 0.4389, 0.4871

Deuteranopia

35.6543, 0.4697, 0.4604



Tritanopia

35.7536, 0.3584, 0.3149

Trichromacy



Original Color

35.7912, 0.4556, 0.4765

Protanomaly

35.9398, 0.4444, 0.4837

Deuteranomaly

35.7440, 0.4644, 0.4663

Tritanomaly

35.0786, 0.4127, 0.3944

Monochromacy



Original Color

35.7912, 0.4556, 0.4765

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.7157, 0.3824, 0.4156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7912, 0.4556, 0.4765 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(193, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(193, 158, 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(193, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 158, 0) }
```

Border

The CSS property to change the border of an element to Yxy 35.7912, 0.4556, 0.4765 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(193, 158, 0) }
```

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

```
.border{ border-color:rgb(193, 158, 0) }
```

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

Here you see how a box with a 4 pixel rgb(193, 158, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 158, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 158, 0);  
box-shadow:4px 4px 4px 4px rgb(193, 158,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7912, 0.4556, 0.4765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 158, 0) }
```

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

```
.background{ background-color: rgb(193,  
158, 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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