

Converting Colors

$Y_{xy}(36.6049, 0.4599, 0.4730)$

Have a look what the booklet for
Yxy(36.6049, 0.4599, 0.4730)
contains.

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Color

Yxy(36.4595, 0.4604, 0.4726)

Conversions

Conversions Part 1

Format	Color
Hex	C69E00
RGB	198, 158, 0
RGB Percent	78%, 62%, 0%
CMY	0.2235, 0.3804, 0.9995
CMYK	0.00, 0.20, 1.00, 0.22
HSL	48°, 100%, 39%
HSV	48°, 100%, 78%
XYZ	35.5183, 36.4595, 5.1688
YIQ	151.9480, 74.5580, -40.6580

Conversions

Conversions Part 2

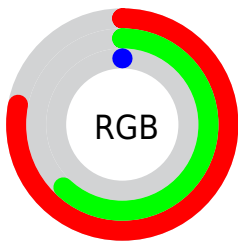
Format	Color
RYB	50, 198, 0
Decimal	13016576
CIELab	66.87, 2.95, 70.46
CIELCh	67, 70.523, 87.605
Yxy	36.4595, 0.4604, 0.4726
Android (android.graphics.Color)	4291206656 (0xFFC69E00)
YUV	151.9480, -74.9104, 40.3876
Hunter-Lab	60.3817, -0.6690, 37.1918

Details

The Yxy color **36.4595, 0.4604, 0.4726** 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 **5.6059, 0.1555, 0.0795**, and the grayscale version is **31.6893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8550, 0.4364, 0.4549**, and **16.0044, 0.4656, 0.4685** is the 20% darker color. If you saturate the color by 10%, you get **36.4517, 0.4604, 0.4726**, and if you desaturate by 10%, it is **37.8995, 0.4525, 0.4720**.

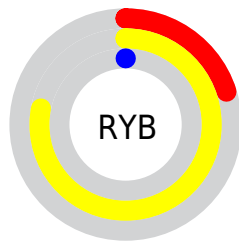
Distribution



Red (78%)

Green (62%)

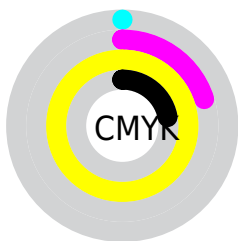
Blue (0%)



Red (20%)

Yellow (78%)

Blue (0%)

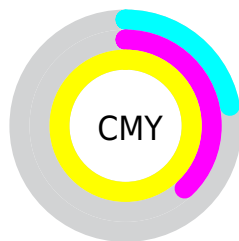


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (38%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.4595, 0.4604, 0.4726 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 36.4595, 0.4604, 0.4726 by changing the saturation by 10% instead.


 36.4595, 0.4604,
0.4726


 36.4595, 0.4604,
0.4726


 330.9645, 0.3931,
0.4087


 24.7893, 0.4723,
0.4832


 69.7407, 0.4391,
0.4529


 15.9201, 0.4843,
0.4933


 92.1205, 0.4301,
0.4443

 9.4677, 0.4969,
0.5031

 118.8389, 0.4220,
0.4367

 5.0475, 0.4992,
0.5008

 150.2804, 0.4148,
0.4298

 2.2751, 0.5027,
0.4973

 186.8293, 0.4085,
0.4237

 0.7605, 0.5110,
0.4890

 228.8700, 0.4028,

 0.0000, 0.0000,

0.4181

0.0000

276.7869, 0.3977,
0.4132

36.4595, 0.4604,
0.4726

36.4595, 0.4604,
0.4726

36.4517, 0.4604,
0.4726

37.8995, 0.4525,
0.4720

39.4339, 0.4422,
0.4674

41.0823, 0.4291,
0.4582

42.8547, 0.4137,
0.4448

44.7591, 0.3968,
0.4282

■ 46.8029, 0.3791,
0.4093

■ 48.9927, 0.3614,
0.3892

■ 51.3346, 0.3442,
0.3687

■ 53.8341, 0.3279,
0.3484

Harmonies

Analogous

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



36.4595, 0.5138, 0.3998



36.4595, 0.4604, 0.4726



36.4595, 0.3738, 0.5245

Triad

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



36.4595, 0.4604, 0.4726



36.4595, 0.1502, 0.2814



36.4595, 0.3204, 0.2123

Complementary

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



36.4595, 0.4604, 0.4726



5.6059, 0.1555, 0.0795

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.



36.4595, 0.2260, 0.1828



36.4595, 0.4604, 0.4726



36.4595, 0.1423, 0.2094

Square

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



36.4595, 0.4604, 0.4726



36.4595, 0.1955, 0.3977



36.4595, 0.1670, 0.1801



36.4595, 0.4305, 0.2639

Rectangle

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



36.4595, 0.4604, 0.4726



36.4595, 0.3092, 0.5220



36.4595, 0.1670, 0.1801



36.4595, 0.2855, 0.1997

Sweetspot

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



36.4613, 0.4604, 0.4726



86.5393, 0.3624, 0.3903



12.1846, 0.6038, 0.3100



18.1622, 0.3699, 0.3990



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.



36.4613, 0.4604, 0.4726



64.1796, 0.4612, 0.4720



46.1393, 0.3699, 0.5445



12.0386, 0.3270, 0.3473



23.8265, 0.4598, 0.4731



1.2232, 0.4498, 0.4810

Inverse Universe

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



5.6059, 0.1555, 0.0795



9.6370, 0.1549, 0.0775



4.9271, 0.1679, 0.0699



10.6291, 0.2983, 0.3100



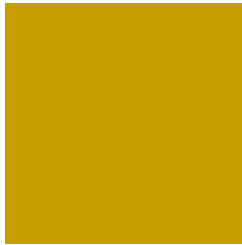
3.7392, 0.1559, 0.0813



0.2823, 0.1667, 0.1199

Previews

White Background



This preview shows how the Yxy color 36.4595, 0.4604, 0.4726 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 36.4595, 0.4604, 0.4726 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 36.4595, 0.4604, 0.4726

Background



This preview shows how black text looks on a background with the Yxy color 36.4595, 0.4604, 0.4726.



This preview shows how white text looks on a background with the Yxy color 36.4595, 0.4604, 0.4726.

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

36.4595, 0.4604, 0.4726

Protanopia

36.4045, 0.4396, 0.4862

Deuteranopia

36.5936, 0.4696, 0.4613



Tritanopia

36.4579, 0.3636, 0.3151

Trichromacy



Original Color

36.4595, 0.4604, 0.4726

Protanomaly

36.3217, 0.4473, 0.4812

Deuteranomaly

36.4910, 0.4663, 0.4655

Tritanomaly

35.7693, 0.4180, 0.3930

Monochromacy



Original Color

36.4595, 0.4604, 0.4726

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.4093, 0.3833, 0.4130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4595, 0.4604, 0.4726 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(198, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(198, 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(198, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 158, 0) }
```

Border

The CSS property to change the border of an element to Yxy 36.4595, 0.4604, 0.4726 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(198, 158, 0) }
```

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

```
.border{ border-color:rgb(198, 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(198, 158, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 158, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 158, 0);  
box-shadow:4px 4px 4px 4px rgb(198, 158,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4595, 0.4604, 0.4726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 158, 0) }
```

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

```
.background{ background-color: rgb(198,  
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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