

Converting Colors

$Y_{xy}(34.7793, 0.4731, 0.4579)$

Have a look what the booklet for
Yxy(34.7793, 0.4731, 0.4579)
contains.

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Color

Yxy(34.6818, 0.4735, 0.4576)

Conversions

Conversions Part 1

Format	Color
Hex	CC960E
RGB	204, 150, 14
RGB Percent	80%, 59%, 5%
CMY	0.2000, 0.4117, 0.9447
CMYK	0.00, 0.26, 0.93, 0.20
HSL	43°, 87%, 43%
HSV	43°, 93%, 80%
XYZ	35.8869, 34.6818, 5.2220
YIQ	150.6420, 75.8400, -30.8480

Conversions

Conversions Part 2

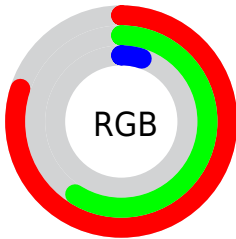
Format	Color
R _Y B	89, 204, 14
Decimal	13407758
CIE Lab	65.50, 10.09, 67.85
CIE LCh	66, 68.599, 81.542
Yxy	34.6818, 0.4735, 0.4576
Android (android.graphics.Color)	4291597838 (0xFFCC960E)
YUV	150.6420, -67.3645, 46.7950
Hunter-Lab	58.8913, 5.7138, 35.9665

Details

The Yxy color **34.6818, 0.4735, 0.4576** 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 **8.6000, 0.1648, 0.1077**, and the grayscale version is **31.0618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0102, 0.4406, 0.4458**, and **15.0436, 0.4843, 0.4537** is the 20% darker color. If you saturate the color by 10%, you get **33.3926, 0.4808, 0.4564**, and if you desaturate by 10%, it is **36.6673, 0.4609, 0.4561**.

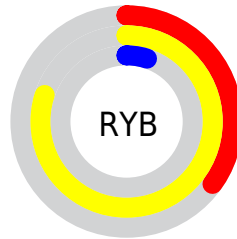
Distribution



Red (80%)

Green (59%)

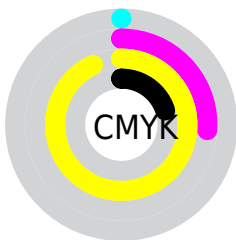
Blue (5%)



Red (35%)

Yellow (80%)

Blue (5%)

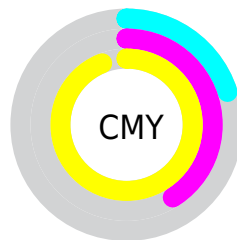


Cyan (0%)

Magenta (26%)

Yellow (93%)

Black (20%)



Cyan (20%)


Magenta (41%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6818, 0.4735, 0.4576 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 34.6818, 0.4735, 0.4576 by changing the saturation by 10% instead.


 34.6818, 0.4735,
0.4576


 34.6818, 0.4735,
0.4576


323.1616, 0.3979,
0.4019


 23.4179, 0.4879,
0.4660


 66.9925, 0.4488,
0.4410


 14.9024, 0.5032,
0.4733


 88.8081, 0.4386,
0.4335

 8.7509, 0.5206,
0.4794


 114.9097, 0.4296,
0.4268

 4.5791, 0.5284,
0.4716

 145.6817, 0.4216,
0.4207

 2.0025, 0.5410,
0.4590

 181.5085, 0.4146,
0.4153

 0.6089, 0.5754,
0.4246

 222.7745, 0.4084,

 0.0000, 0.0000,

0.4104

0.0000

269.8640, 0.4028,
0.4059

34.6818, 0.4735,
0.4576

34.6818, 0.4735,
0.4576

33.3926, 0.4808,
0.4564

36.6673, 0.4609,
0.4561

38.8139, 0.4453,
0.4496

41.1356, 0.4275,
0.4388

43.6423, 0.4083,
0.4244

46.3430, 0.3886,
0.4076

■ 49.2457, 0.3692,
0.3894

■ 52.3580, 0.3506,
0.3707

■ 55.6867, 0.3333,
0.3522

■ 59.2382, 0.3173,
0.3343

Harmonies

Analogous

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



34.6818, 0.5162, 0.3850



34.6818, 0.4735, 0.4576



34.6818, 0.3924, 0.5161

Triad

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



34.6818, 0.4735, 0.4576



34.6818, 0.1575, 0.3024



34.6818, 0.2992, 0.2054

Complementary

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



34.6818, 0.4735, 0.4576



8.6000, 0.1648, 0.1077

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.



34.6818, 0.2120, 0.1812



34.6818, 0.4735, 0.4576



34.6818, 0.1426, 0.2212

Square

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



34.6818, 0.4735, 0.4576



34.6818, 0.2107, 0.4219



34.6818, 0.1606, 0.1845



34.6818, 0.4082, 0.2528

Rectangle

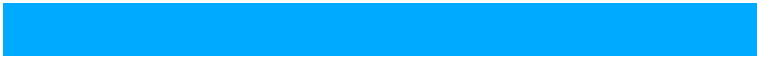
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.6818, 0.4735, 0.4576



34.6818, 0.3291, 0.5249



34.6818, 0.1606, 0.1845



34.6818, 0.2664, 0.1945

Sweetspot

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



34.6835, 0.4735, 0.4576



83.9488, 0.3603, 0.3806



13.6095, 0.5571, 0.2894



17.4943, 0.3685, 0.3888



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.



34.6835, 0.4735, 0.4576



54.9207, 0.4818, 0.4557



51.3236, 0.3853, 0.5287



12.5366, 0.3272, 0.3455



21.1844, 0.4798, 0.4573



1.2180, 0.4653, 0.4687

Inverse Universe

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



8.6000, 0.1648, 0.1077



11.9198, 0.1592, 0.0930



5.4089, 0.1655, 0.0717



11.3548, 0.2983, 0.3119



4.7871, 0.1604, 0.0974



0.3780, 0.1715, 0.1373

Previews

White Background



This preview shows how the Yxy color 34.6818, 0.4735, 0.4576 looks on a white background.

Color Contrast Check

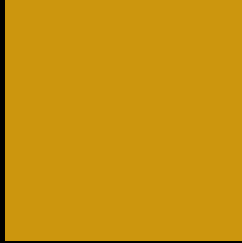
Large Text (above 18pt) WCAG AA × Fail

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 34.6818, 0.4735, 0.4576 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 34.6818, 0.4735, 0.4576

Background



This preview shows how black text looks on a background with the Yxy color 34.6818, 0.4735, 0.4576.



This preview shows how white text looks on a background with the Yxy color 34.6818, 0.4735, 0.4576.

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

34.6818, 0.4735, 0.4576

Protanopia

34.8886, 0.4373, 0.4843

Deuteranopia

34.7163, 0.4708, 0.4605



Tritanopia

34.5161, 0.3801, 0.3154

Trichromacy



Original Color

34.6818, 0.4735, 0.4576

Protanomaly

34.6362, 0.4512, 0.4739

Deuteranomaly

34.8588, 0.4716, 0.4596

Tritanomaly

33.9944, 0.4288, 0.3818

Monochromacy



Original Color

34.6818, 0.4735, 0.4576

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.6189, 0.3823, 0.4031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6818, 0.4735, 0.4576 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(204, 150, 14)` looks like.

```
.text, #text, p{  
    color:rgb(204, 150, 14)  
}
```

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(204, 150, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 150, 14) }
```

Border

The CSS property to change the border of an element to Yxy 34.6818, 0.4735, 0.4576 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(204, 150, 14) }
```

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

```
.border{ border-color:rgb(204, 150, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 150, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 150, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 150, 14);  
box-shadow:4px 4px 4px 4px rgb(204, 150,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6818, 0.4735, 0.4576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 150, 14) }
```

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

```
.background{ background-color: rgb(204,  
150, 14) }
```

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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