

Converting Colors

$Y_{xy}(35.7855, 0.4715, 0.4638)$

Have a look what the booklet for
Yxy(35.7855, 0.4715, 0.4638)
contains.

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Color

Yxy(35.9486, 0.4709, 0.4643)

Conversions

Conversions Part 1

Format	Color
Hex	CC9A00
RGB	204, 154, 0
RGB Percent	80%, 60%, 0%
CMY	0.2000, 0.3961, 0.9999
CMYK	0.00, 0.25, 1.00, 0.20
HSL	45°, 100%, 40%
HSV	45°, 100%, 80%
XYZ	36.4596, 35.9486, 5.0172
YIQ	151.3940, 79.2340, -37.2940

Conversions

Conversions Part 2

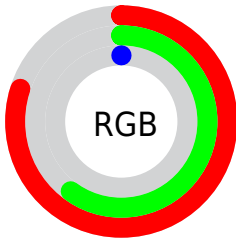
Format	Color
RYB	66, 204, 0
Decimal	13408768
CIELab	66.48, 7.78, 70.51
CIELCh	66, 70.934, 83.706
Yxy	35.9486, 0.4709, 0.4643
Android (android.graphics.Color)	4291598848 (0xFFCC9A00)
YUV	151.3940, -74.6372, 46.1355
Hunter-Lab	59.9572, 3.6198, 37.0087

Details

The Yxy color **35.9486, 0.4709, 0.4643** 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 **6.6433, 0.1575, 0.0869**, and the grayscale version is **31.4285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.8798, 0.4394, 0.4516**, and **15.6298, 0.4790, 0.4579** is the 20% darker color. If you saturate the color by 10%, you get **35.9492, 0.4709, 0.4643**, and if you desaturate by 10%, it is **37.6879, 0.4615, 0.4647**.

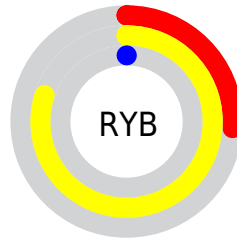
Distribution



Red (80%)

Green (60%)

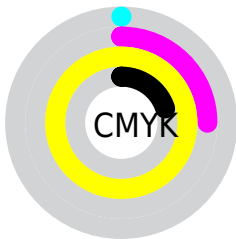
Blue (0%)



Red (26%)

Yellow (80%)

Blue (0%)

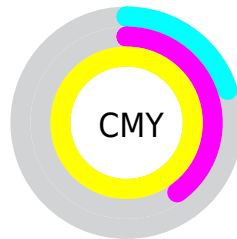


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (40%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 35.9486, 0.4709, 0.4643 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 35.9486, 0.4709, 0.4643 by changing the saturation by 10% instead.


 35.9486, 0.4709,
0.4643


 35.9486, 0.4709,
0.4643


 328.7358, 0.3980,
0.4058


 24.3945, 0.4842,
0.4732


 68.9527, 0.4475,
0.4469


 15.6265, 0.4981,
0.4812


 91.1715, 0.4377,
0.4391

 9.2603, 0.5126,
0.4874


 117.7140, 0.4290,
0.4320

 4.9113, 0.5185,
0.4815

 148.9646, 0.4213,
0.4256

 2.1953, 0.5278,
0.4722

 185.3077, 0.4144,
0.4199


 0.7174, 0.5486,
0.4514


 227.1277, 0.4083,


 0.0000, 0.0000,


0.4147

0.0000

 274.8089, 0.4029,
0.4100


 35.9486, 0.4709,
0.4643


 35.9486, 0.4709,
0.4643


 35.9492, 0.4709,
0.4643

 37.6879, 0.4615,
0.4647

 39.5498, 0.4496,
0.4609

 41.5558, 0.4348,
0.4524

 43.7166, 0.4179,
0.4397

 46.0415, 0.3997,
0.4238

■ 48.5388, 0.3810,
0.4057

■ 51.2159, 0.3625,
0.3864

■ 54.0795, 0.3448,
0.3668

■ 57.1361, 0.3281,
0.3475

Harmonies

Analogous

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



35.9486, 0.5187, 0.3904



35.9486, 0.4709, 0.4643



35.9486, 0.3864, 0.5224

Triad

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



35.9486, 0.4709, 0.4643



35.9486, 0.1525, 0.2939



35.9486, 0.3064, 0.2061

Complementary

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



35.9486, 0.4709, 0.4643



6.6433, 0.1575, 0.0869

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.



35.9486, 0.2153, 0.1797



35.9486, 0.4709, 0.4643



35.9486, 0.1401, 0.2149

Square

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



35.9486, 0.4709, 0.4643



35.9486, 0.2032, 0.4150



35.9486, 0.1607, 0.1807



35.9486, 0.4180, 0.2556

Rectangle

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



35.9486, 0.4709, 0.4643



35.9486, 0.3216, 0.5281



35.9486, 0.1607, 0.1807



35.9486, 0.2723, 0.1945

Sweetspot

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



35.9504, 0.4709, 0.4643



84.6274, 0.3633, 0.3872



13.0782, 0.5945, 0.3049



17.7016, 0.3711, 0.3955



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.



35.9504, 0.4709, 0.4643



59.1739, 0.4717, 0.4637



49.9638, 0.3755, 0.5401



12.6126, 0.3272, 0.3464



22.7769, 0.4700, 0.4650



1.2894, 0.4581, 0.4745

Inverse Universe

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



6.6433, 0.1575, 0.0869



10.7212, 0.1570, 0.0850



5.0646, 0.1640, 0.0677



11.2833, 0.2983, 0.3110



4.3046, 0.1581, 0.0891



0.3451, 0.1689, 0.1279

Previews

White Background



This preview shows how the Yxy color 35.9486, 0.4709, 0.4643 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 35.9486, 0.4709, 0.4643 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 35.9486, 0.4709, 0.4643

Background



This preview shows how black text looks on a background with the Yxy color 35.9486, 0.4709, 0.4643.



This preview shows how white text looks on a background with the Yxy color 35.9486, 0.4709, 0.4643.

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

35.9486, 0.4709, 0.4643

Protanopia

35.9321, 0.4394, 0.4857

Deuteranopia

36.1013, 0.4711, 0.4626



Tritanopia

35.8269, 0.3743, 0.3154

Trichromacy



Original Color

35.9486, 0.4709, 0.4643

Protanomaly

35.8880, 0.4514, 0.4775

Deuteranomaly

36.0969, 0.4714, 0.4630

Tritanomaly

35.1592, 0.4289, 0.3902

Monochromacy



Original Color

35.9486, 0.4709, 0.4643

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.8470, 0.3865, 0.4115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9486, 0.4709, 0.4643 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, 154, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 154, 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(204, 154, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 154, 0) }
```

Border

The CSS property to change the border of an element to Yxy 35.9486, 0.4709, 0.4643 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, 154, 0) }
```

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

```
.border{ border-color:rgb(204, 154, 0) }
```

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

Here you see how a box with a 4 pixel rgb(204, 154, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 154, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 154, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 154,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9486, 0.4709, 0.4643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 154, 0) }
```

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

```
.background{ background-color: rgb(204,  
154, 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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