

Converting Colors

$Y_{xy}(41.1849, 0.4561, 0.4711)$

Have a look what the booklet for
Yxy(41.1849, 0.4561, 0.4711)
contains.

| | |
|--|----|
| Yxy(40.9433, 0.4561, 0.4709) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(40.9433, 0.4561, 0.4709)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | CFA711 |
| RGB | 207, 167, 17 |
| RGB Percent | 81%, 65%, 7% |
| CMY | 0.1882, 0.3451, 0.9329 |
| CMYK | 0.00, 0.19, 0.92, 0.19 |
| HSL | 47°, 85%, 44% |
| HSV | 47°, 92%, 81% |
| XYZ | 39.6565, 40.9433, 6.3471 |
| YIQ | 161.8600, 71.9900, -38.1700 |

Conversions

Conversions Part 2

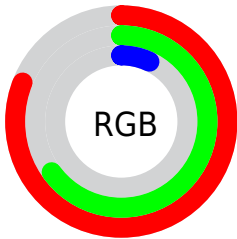
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 68, 207, 17 |
| Decimal | 13608721 |
| CIELab | 70.14, 2.34, 70.96 |
| CIELCh | 70, 71.002, 88.110 |
| Yxy | 40.9433, 0.4561, 0.4709 |
| Android (android.graphics.Color) | 4291798801 (0xFFCFA711) |
| YUV | 161.8600, -71.4160, 39.5878 |
| Hunter-Lab | 63.9870, -1.3502, 38.9097 |

Details

The Yxy color **40.9433, 0.4561, 0.4709** 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 **7.5653, 0.1614, 0.0942**, and the grayscale version is **36.3854, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.1271, 0.4257, 0.4578**, and **18.7867, 0.4626, 0.4709** is the 20% darker color. If you saturate the color by 10%, you get **39.6017, 0.4626, 0.4709**, and if you desaturate by 10%, it is **42.6688, 0.4460, 0.4674**.

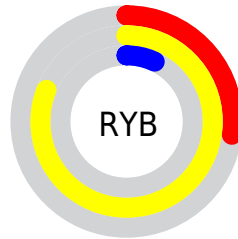
Distribution



Red (81%)

Green (65%)

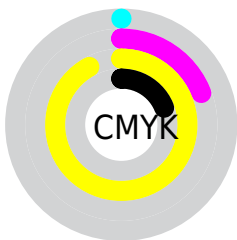
Blue (7%)



Red (27%)

Yellow (81%)

Blue (7%)

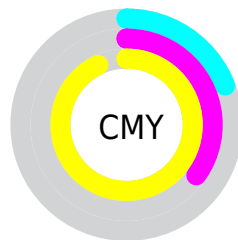


Cyan (0%)

Magenta (19%)

Yellow (92%)

Black (19%)



Cyan (19%)


Magenta (35%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.9433, 0.4561, 0.4709 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 40.9433, 0.4561, 0.4709 by changing the saturation by 10% instead.


 40.9433, 0.4561,
0.4709


 40.9433, 0.4561,
0.4709


350.0836, 0.3917,
0.4083


 28.2748, 0.4676,
0.4816


 76.5978, 0.4357,
0.4515


 18.5329, 0.4792,
0.4919


 100.3526, 0.4271,
0.4431


 11.3333, 0.4945,
0.5055

 128.5716, 0.4194,
0.4356

 6.2915, 0.4961,
0.5039

 161.6392, 0.4125,
0.4289

 3.0231, 0.4985,
0.5015

 199.9398, 0.4064,
0.4229

 1.1438, 0.5027,
0.4973

 243.8578, 0.4010,

 0.0151, 0.8259,

0.4175

0.1741

293.7776, 0.3961,
0.4127

■ 0.0000, 0.0000,
0.0000

■ 40.9433, 0.4561,
0.4709

■ 40.9433, 0.4561,
0.4709

■ 39.6017, 0.4626,
0.4709

■ 42.6688, 0.4460,
0.4674

■ 44.5208, 0.4330,
0.4592

■ 46.5126, 0.4177,
0.4467

■ 48.6539, 0.4007,
0.4307

■ 50.9529, 0.3829,
0.4123

■ 53.4172, 0.3650,
0.3925

■ 56.0537, 0.3475,
0.3721

■ 58.8688, 0.3308,
0.3518

■ 61.8685, 0.3153,
0.3323

Harmonies

Analogous

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



40.9433, 0.5081, 0.4005



40.9433, 0.4561, 0.4709



40.9433, 0.3716, 0.5191

Triad

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



40.9433, 0.4561, 0.4709



40.9433, 0.1539, 0.2818



40.9433, 0.3222, 0.2159

Complementary

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



40.9433, 0.4561, 0.4709



7.5653, 0.1614, 0.0942

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.



40.9433, 0.2297, 0.1866



40.9433, 0.4561, 0.4709



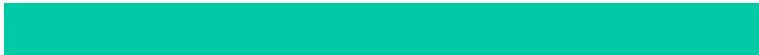
40.9433, 0.1464, 0.2120

Square

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



40.9433, 0.4561, 0.4709



40.9433, 0.1979, 0.3935



40.9433, 0.1712, 0.1836



40.9433, 0.4286, 0.2668

Rectangle

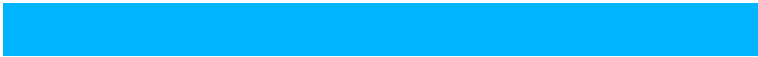
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.9433, 0.4561, 0.4709



40.9433, 0.3086, 0.5146



40.9433, 0.1712, 0.1836



40.9433, 0.2882, 0.2034

Sweetspot

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



40.9453, 0.4561, 0.4709



86.9967, 0.3590, 0.3855



13.9804, 0.5804, 0.3038



18.2359, 0.3667, 0.3944



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.



40.9453, 0.4561, 0.4709



63.1557, 0.4632, 0.4704



51.4679, 0.3721, 0.5380



13.3570, 0.3271, 0.3472



25.0872, 0.4619, 0.4715



1.5113, 0.4526, 0.4788

Inverse Universe

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



7.5653, 0.1614, 0.0942



9.8340, 0.1553, 0.0789



6.2467, 0.1762, 0.0783



11.8157, 0.2982, 0.3101



4.0681, 0.1562, 0.0824



0.3454, 0.1658, 0.1168

Previews

White Background



This preview shows how the Yxy color 40.9433, 0.4561, 0.4709 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 40.9433, 0.4561, 0.4709 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 40.9433, 0.4561, 0.4709

Background



This preview shows how black text looks on a background with the Yxy color 40.9433, 0.4561, 0.4709.



This preview shows how white text looks on a background with the Yxy color 40.9433, 0.4561, 0.4709.

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

40.9433, 0.4561, 0.4709

Protanopia

41.0214, 0.4381, 0.4842

Deuteranopia

41.0040, 0.4686, 0.4590



Tritanopia

40.8316, 0.3622, 0.3146

Trichromacy



Original Color

40.9433, 0.4561, 0.4709

Protanomaly

40.9352, 0.4452, 0.4791

Deuteranomaly

40.7476, 0.4643, 0.4632

Tritanomaly

40.1123, 0.4124, 0.3868

Monochromacy



Original Color

40.9433, 0.4561, 0.4709

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.1200, 0.3766, 0.4064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9433, 0.4561, 0.4709 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(207, 167, 17)` looks like.

```
.text, #text, p{  
    color:rgb(207, 167, 17)  
}
```

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(207, 167, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 167, 17) }
```

Border

The CSS property to change the border of an element to Yxy 40.9433, 0.4561, 0.4709 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(207, 167, 17) }
```

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

```
.border{ border-color:rgb(207, 167, 17) }
```

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

Here you see how a box with a 4 pixel rgb(207, 167, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 167, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 167, 17);  
box-shadow:4px 4px 4px 4px rgb(207, 167,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9433, 0.4561, 0.4709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 167, 17) }
```

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

```
.background{ background-color: rgb(207,  
167, 17) }
```

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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