

Converting Colors

$Y_{xy}(40.7176, 0.4379, 0.4441)$

Have a look what the booklet for
Yxy(40.7176, 0.4379, 0.4441)
contains.

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Color

Yxy(40.9195, 0.4382, 0.4447)

Conversions

Conversions Part 1

Format	Color
Hex	CFA641
RGB	207, 166, 65
RGB Percent	81%, 65%, 25%
CMY	0.1883, 0.3490, 0.7451
CMYK	0.00, 0.20, 0.69, 0.19
HSL	43°, 60%, 53%
HSV	43°, 69%, 81%
XYZ	40.3214, 40.9195, 10.7751
YIQ	166.7450, 56.8570, -22.7190

Conversions

Conversions Part 2

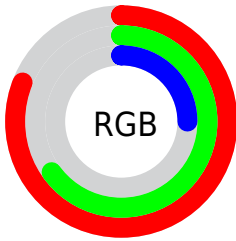
Format	Color
RYB	123, 207, 65
Decimal	13608513
CIELab	70.12, 4.49, 55.97
CIELCh	70, 56.153, 85.413
Yxy	40.9195, 0.4382, 0.4447
Android (android.graphics.Color)	4291798593 (0xFFCFA641)
YUV	166.7450, -50.1603, 35.3036
Hunter-Lab	63.9684, 0.5699, 34.7908

Details

The Yxy color **40.9195, 0.4382, 0.4447** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **15.9359, 0.1944, 0.1666**, and the grayscale version is **38.7422, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.2809, 0.4081, 0.4308**, and **18.4286, 0.4665, 0.4666** is the 20% darker color. If you saturate the color by 10%, you get **38.6016, 0.4551, 0.4531**, and if you desaturate by 10%, it is **43.4302, 0.4195, 0.4322**.

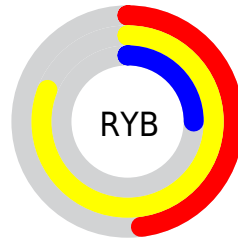
Distribution



Red (81%)

Green (65%)

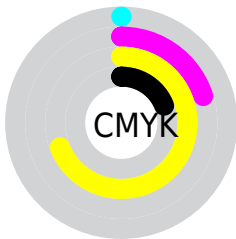
Blue (25%)



Red (48%)

Yellow (81%)

Blue (25%)

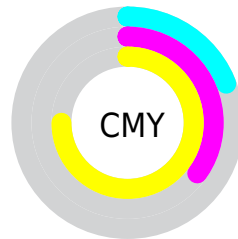


Cyan (0%)

Magenta (20%)

Yellow (69%)

Black (19%)



Cyan (19%)


Magenta (35%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9195, 0.4382, 0.4447 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 40.9195, 0.4382, 0.4447 by changing the saturation by 10% instead.


 40.9195, 0.4382,
0.4447

 40.9195, 0.4382,
0.4447


349.9841, 0.3782,
0.3909


 28.2562, 0.4510,
0.4555


 76.5617, 0.4178,
0.4268


 18.5189, 0.4655,
0.4674


 100.3093, 0.4096,
0.4196


 11.3231, 0.4815,
0.4794


 128.5206, 0.4026,
0.4132

 6.2846, 0.5041,
0.4959

 161.5798, 0.3964,
0.4076

 3.0189, 0.5086,
0.4914

 199.8713, 0.3910,
0.4027

 1.1416, 0.5166,
0.4834

243.7796, 0.3862,

 0.0132, 0.9023,

0.3983

0.0977

293.6891, 0.3820,
0.3944

0.0000, 0.0000,
0.0000

40.9195, 0.4382,
0.4447

40.9195, 0.4382,
0.4447

38.6016, 0.4551,
0.4531

43.4302, 0.4195,
0.4322

36.4590, 0.4693,
0.4568

46.1377, 0.3998,
0.4167

34.4765, 0.4805,
0.4557

49.0528, 0.3800,
0.3992

34.2072, 0.4820,
0.4555

52.1837, 0.3609,
0.3808

55.5379, 0.3428,
0.3622

■ 59.1223, 0.3260,
0.3440

■ 62.9436, 0.3106,
0.3266

■ 67.0082, 0.2968,
0.3103

■ 71.3218, 0.2843,
0.2951

Harmonies

Analogous

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



40.9195, 0.4731, 0.3887



40.9195, 0.4382, 0.4447



40.9195, 0.3722, 0.4789

Triad

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



40.9195, 0.4382, 0.4447



40.9195, 0.1842, 0.3011



40.9195, 0.3141, 0.2324

Complementary

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



40.9195, 0.4382, 0.4447



15.9359, 0.1944, 0.1666

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.



40.9195, 0.2403, 0.2093



40.9195, 0.4382, 0.4447



40.9195, 0.1736, 0.2392

Square

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



40.9195, 0.4382, 0.4447



40.9195, 0.2260, 0.3883



40.9195, 0.1926, 0.2101



40.9195, 0.3980, 0.2748

Rectangle

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



40.9195, 0.4382, 0.4447



40.9195, 0.3205, 0.4747



40.9195, 0.1926, 0.2101



40.9195, 0.2872, 0.2223

Sweetspot

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



40.9215, 0.4382, 0.4447



87.5491, 0.3475, 0.3671



18.1204, 0.4706, 0.2814



18.4155, 0.3525, 0.3723



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.



40.9215, 0.4382, 0.4447



60.3257, 0.4617, 0.4553



54.5400, 0.3809, 0.4975



13.1970, 0.3273, 0.3455



21.7230, 0.4809, 0.4563



1.3471, 0.4671, 0.4673

Inverse Universe

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



15.9359, 0.1944, 0.1666



18.1602, 0.1748, 0.1303



10.6348, 0.2001, 0.1202



11.9657, 0.2982, 0.3120



5.0002, 0.1606, 0.0982



0.4163, 0.1710, 0.1354

Previews

White Background



This preview shows how the Yxy color 40.9195, 0.4382, 0.4447 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 40.9195, 0.4382, 0.4447 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 40.9195, 0.4382, 0.4447

Background



This preview shows how black text looks on a background with the Yxy color 40.9195, 0.4382, 0.4447.



This preview shows how white text looks on a background with the Yxy color 40.9195, 0.4382, 0.4447.

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

40.9195, 0.4382, 0.4447

Protanopia

40.9867, 0.4162, 0.4580

Deuteranopia

40.8839, 0.4470, 0.4371



Tritanopia

41.0512, 0.3599, 0.3145

Trichromacy



Original Color

40.9195, 0.4382, 0.4447

Protanomaly

41.0131, 0.4244, 0.4535

Deuteranomaly

40.7932, 0.4432, 0.4397

Tritanomaly

40.7774, 0.3925, 0.3653

Monochromacy



Original Color

40.9195, 0.4382, 0.4447

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.1942, 0.3604, 0.3803

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9195, 0.4382, 0.4447 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, 166, 65)` looks like.

```
.text, #text, p{  
    color:rgb(207, 166, 65)  
}
```

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, 166, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 166, 65) }
```

Border

The CSS property to change the border of an element to Yxy 40.9195, 0.4382, 0.4447 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, 166, 65) }
```

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

```
.border{ border-color:rgb(207, 166, 65) }
```

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

Here you see how a box with a 4 pixel rgb(207, 166, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 166, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 166, 65);  
box-shadow:4px 4px 4px 4px rgb(207, 166,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9195, 0.4382, 0.4447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 166, 65) }
```

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

```
.background{ background-color: rgb(207,  
166, 65) }
```

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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