

Converting Colors

$Yxy(40.4538, 0.4314, 0.4406)$

Have a look what the booklet for
Yxy(40.4538, 0.4314, 0.4406)
contains.

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Color

Yxy(40.5647, 0.4315, 0.4412)

Conversions

Conversions Part 1

Format	Color
Hex	CCA647
RGB	204, 166, 71
RGB Percent	80%, 65%, 28%
CMY	0.2001, 0.3490, 0.7215
CMYK	0.00, 0.19, 0.65, 0.20
HSL	43°, 57%, 54%
HSV	43°, 65%, 80%
XYZ	39.6729, 40.5647, 11.7042
YIQ	166.5320, 53.1430, -21.4890

Conversions

Conversions Part 2

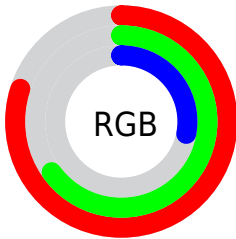
Format	Color
RYB	124, 204, 71
Decimal	13411911
CIELab	69.87, 3.54, 52.96
CIELCh	70, 53.075, 86.174
Yxy	40.5647, 0.4315, 0.4412
Android (android.graphics.Color)	4291601991 (0xFFCCA647)
YUV	166.5320, -47.0973, 32.8594
Hunter-Lab	63.6904, -0.2703, 33.6878

Details

The Yxy color **40.5647, 0.4315, 0.4412** 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 **16.6370, 0.1998, 0.1753**, and the grayscale version is **38.6196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.4030, 0.4051, 0.4265**, and **18.1801, 0.4587, 0.4643** is the 20% darker color. If you saturate the color by 10%, you get **38.2765, 0.4490, 0.4512**, and if you desaturate by 10%, it is **43.0407, 0.4125, 0.4275**.

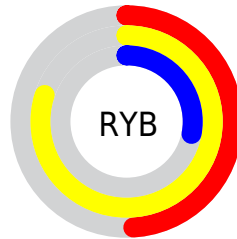
Distribution



Red (80%)

Green (65%)

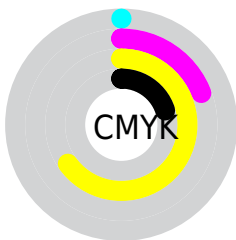
Blue (28%)



Red (49%)

Yellow (80%)

Blue (28%)

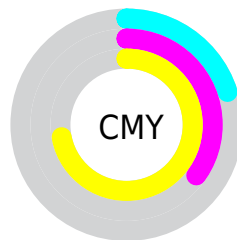


Cyan (0%)

Magenta (19%)

Yellow (65%)

Black (20%)



Cyan (20%)


Magenta (35%)

Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5647, 0.4315, 0.4412 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 40.5647, 0.4315, 0.4412 by changing the saturation by 10% instead.


 40.5647, 0.4315,
0.4412


 40.5647, 0.4315,
0.4412


348.4980, 0.3742,
0.3882


 27.9791, 0.4440,
0.4522


 76.0227, 0.4118,
0.4233

 18.3099, 0.4584,
0.4647


 99.6638, 0.4040,
0.4161


 11.1727, 0.4746,
0.4779


 127.7589, 0.3973,
0.4099

 6.1831, 0.5006,
0.4994

 160.6924, 0.3914,
0.4044

 2.9568, 0.5043,
0.4957

 198.8487, 0.3863,
0.3996

 1.1092, 0.5107,
0.4893

242.6121, 0.3818,

 0.0000, 1.0000,

0.3954

0.0000

292.3671, 0.3777,
0.3916

0.0000, 0.0000,
0.0000

40.5647, 0.4315,
0.4412

40.5647, 0.4315,
0.4412

38.2765, 0.4490,
0.4512

43.0407, 0.4125,
0.4275

36.1598, 0.4640,
0.4566

45.7077, 0.3928,
0.4111

34.2040, 0.4760,
0.4571

48.5760, 0.3732,
0.3932

33.3080, 0.4812,
0.4562

51.6531, 0.3545,
0.3746

54.9461, 0.3368,
0.3560

■ 58.4616, 0.3206,
0.3380

■ 62.2058, 0.3058,
0.3209

■ 66.1846, 0.2924,
0.3049

■ 70.4037, 0.2804,
0.2900

Harmonies

Analogous

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



40.5647, 0.4650, 0.3885



40.5647, 0.4315, 0.4412



40.5647, 0.3683, 0.4715

Triad

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



40.5647, 0.4315, 0.4412



40.5647, 0.1894, 0.3012



40.5647, 0.3163, 0.2374

Complementary

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



40.5647, 0.4315, 0.4412



16.6370, 0.1998, 0.1753

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.



40.5647, 0.2453, 0.2147



40.5647, 0.4315, 0.4412



40.5647, 0.1797, 0.2427

Square

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



40.5647, 0.4315, 0.4412



40.5647, 0.2291, 0.3830



40.5647, 0.1987, 0.2151



40.5647, 0.3956, 0.2787

Rectangle

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



40.5647, 0.4315, 0.4412



40.5647, 0.3189, 0.4657



40.5647, 0.1987, 0.2151



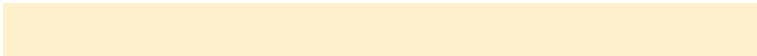
40.5647, 0.2906, 0.2275

Sweetspot

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



40.5667, 0.4315, 0.4412



88.1956, 0.3456, 0.3654



18.4909, 0.4582, 0.2823



18.5484, 0.3507, 0.3707



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.



40.5667, 0.4315, 0.4412



62.0227, 0.4551, 0.4538



53.0267, 0.3791, 0.4909



12.5341, 0.3273, 0.3455



21.1337, 0.4801, 0.4570



1.2157, 0.4656, 0.4685

Inverse Universe

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



16.6370, 0.1998, 0.1753



19.8533, 0.1795, 0.1393



11.4444, 0.2063, 0.1301



11.3572, 0.2983, 0.3120



4.8043, 0.1605, 0.0977



0.3792, 0.1716, 0.1376

Previews

White Background



This preview shows how the Yxy color 40.5647, 0.4315, 0.4412 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 40.5647, 0.4315, 0.4412 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 40.5647, 0.4315, 0.4412

Background



This preview shows how black text looks on a background with the Yxy color 40.5647, 0.4315, 0.4412.

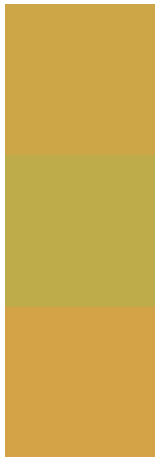


This preview shows how white text looks on a background with the Yxy color 40.5647, 0.4315, 0.4412.

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

40.5647, 0.4315, 0.4412

Protanopia

40.5540, 0.4123, 0.4519

Deuteranopia

40.6593, 0.4412, 0.4331



Tritanopia

40.6011, 0.3570, 0.3143

Trichromacy



Original Color

40.5647, 0.4315, 0.4412

Protanomaly

40.4459, 0.4195, 0.4481

Deuteranomaly

40.5741, 0.4375, 0.4357

Tritanomaly

40.3904, 0.3876, 0.3632

Monochromacy



Original Color

40.5647, 0.4315, 0.4412

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.0067, 0.3565, 0.3779

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5647, 0.4315, 0.4412 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, 166, 71)` looks like.

```
.text, #text, p{  
    color:rgb(204, 166, 71)  
}
```

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, 166, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 166, 71) }
```

Border

The CSS property to change the border of an element to Yxy 40.5647, 0.4315, 0.4412 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, 166, 71) }
```

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

```
.border{ border-color:rgb(204, 166, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 166, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 166, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 166, 71);  
box-shadow:4px 4px 4px 4px rgb(204, 166,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5647, 0.4315, 0.4412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 166, 71) }
```

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

```
.background{ background-color: rgb(204,  
166, 71) }
```

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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