

Converting Colors

$Y_{xy}(40.5420, 0.4283, 0.4413)$

Have a look what the booklet for
Yxy(40.5420, 0.4283, 0.4413)
contains.

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Color

Yxy(40.6750, 0.4274, 0.4415)

Conversions

Conversions Part 1

Format	Color
Hex	CAA749
RGB	202, 167, 73
RGB Percent	79%, 65%, 29%
CMY	0.2079, 0.3451, 0.7137
CMYK	0.00, 0.17, 0.64, 0.21
HSL	44°, 55%, 54%
HSV	44°, 64%, 79%
XYZ	39.3760, 40.6750, 12.0781
YIQ	166.7490, 51.0340, -21.8140

Conversions

Conversions Part 2

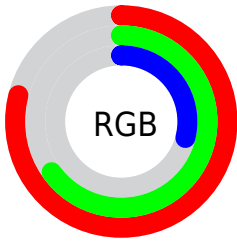
Format	Color
RYB	121, 202, 73
Decimal	13281097
CIELab	69.95, 2.27, 52.09
CIELCh	70, 52.138, 87.503
Yxy	40.6750, 0.4274, 0.4415
Android (android.graphics.Color)	4291471177 (0xFFCAA749)
YUV	166.7490, -46.2183, 30.9151
Hunter-Lab	63.7770, -1.4035, 33.4155

Details

The Yxy color **40.6750, 0.4274, 0.4415** 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 **16.4000, 0.2013, 0.1759**, and the grayscale version is **38.7260, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9832, 0.4034, 0.4256**, and **18.3249, 0.4547, 0.4650** is the 20% darker color. If you saturate the color by 10%, you get **38.4864, 0.4446, 0.4523**, and if you desaturate by 10%, it is **43.0395, 0.4087, 0.4271**.

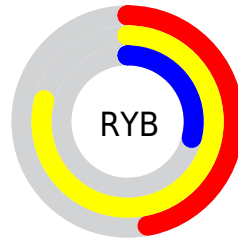
Distribution



Red (79%)

Green (65%)

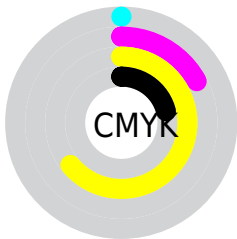
Blue (29%)



Red (47%)

Yellow (79%)

Blue (29%)

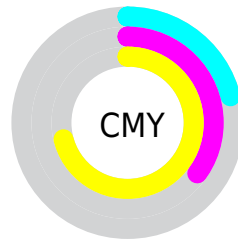


Cyan (0%)

Magenta (17%)

Yellow (64%)

Black (21%)



Cyan (21%)


Magenta (35%)

Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6750, 0.4274, 0.4415 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 40.6750, 0.4274, 0.4415 by changing the saturation by 10% instead.


 40.6750, 0.4274,
0.4415


 40.6750, 0.4274,
0.4415


348.9604, 0.3720,
0.3879


 28.0652, 0.4395,
0.4529


 76.1903, 0.4084,
0.4233


 18.3748, 0.4535,
0.4658


 99.8646, 0.4008,
0.4160


 11.2194, 0.4692,
0.4799


 127.9959, 0.3943,
0.4097

 6.2146, 0.4959,
0.5041

 160.9685, 0.3887,
0.4042

 2.9760, 0.4982,
0.5018

 199.1669, 0.3837,
0.3994

 1.1192, 0.5024,
0.4976

242.9754, 0.3794,

 0.0000, 1.0000,

0.3951

0.0000

292.7784, 0.3755,
0.3913

0.0000, 0.0000,
0.0000

40.6750, 0.4274,
0.4415

40.6750, 0.4274,
0.4415

38.4864, 0.4446,
0.4523

43.0395, 0.4087,
0.4271

36.4580, 0.4594,
0.4586

45.5827, 0.3894,
0.4102

34.5801, 0.4712,
0.4600

48.3143, 0.3703,
0.3919

33.4894, 0.4774,
0.4591

51.2414, 0.3519,
0.3729

54.3707, 0.3345,
0.3540

■ 57.7085, 0.3185,
0.3358

■ 61.2605, 0.3039,
0.3185

■ 65.0324, 0.2907,
0.3023

■ 69.0295, 0.2789,
0.2873

Harmonies

Analogous

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



40.6750, 0.4618, 0.3904



40.6750, 0.4274, 0.4415



40.6750, 0.3645, 0.4692

Triad

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



40.6750, 0.4274, 0.4415



40.6750, 0.1903, 0.2987



40.6750, 0.3198, 0.2403

Complementary

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



40.6750, 0.4274, 0.4415



16.4000, 0.2013, 0.1759

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.



40.6750, 0.2492, 0.2170



40.6750, 0.4274, 0.4415



40.6750, 0.1820, 0.2424

Square

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



40.6750, 0.4274, 0.4415



40.6750, 0.2283, 0.3784



40.6750, 0.2019, 0.2164



40.6750, 0.3973, 0.2817

Rectangle

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



40.6750, 0.4274, 0.4415



40.6750, 0.3158, 0.4616



40.6750, 0.2019, 0.2164



40.6750, 0.2943, 0.2303

Sweetspot

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



40.6770, 0.4274, 0.4415



89.1651, 0.3437, 0.3642



18.4355, 0.4572, 0.2854



18.7601, 0.3488, 0.3697



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.



40.6770, 0.4274, 0.4415



63.6989, 0.4511, 0.4555



51.7197, 0.3764, 0.4893



12.5621, 0.3272, 0.3458



21.7071, 0.4764, 0.4599



1.2416, 0.4629, 0.4707

Inverse Universe

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



16.4000, 0.2013, 0.1759



19.7041, 0.1799, 0.1384



11.7920, 0.2106, 0.1350



11.3308, 0.2983, 0.3116



4.6167, 0.1596, 0.0945



0.3667, 0.1706, 0.1341

Previews

White Background



This preview shows how the Yxy color 40.6750, 0.4274, 0.4415 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 40.6750, 0.4274, 0.4415 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 40.6750, 0.4274, 0.4415

Background



This preview shows how black text looks on a background with the Yxy color 40.6750, 0.4274, 0.4415.



This preview shows how white text looks on a background with the Yxy color 40.6750, 0.4274, 0.4415.

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

40.6750, 0.4274, 0.4415

Protanopia

40.5674, 0.4117, 0.4510

Deuteranopia

40.6858, 0.4398, 0.4314



Tritanopia

40.6802, 0.3538, 0.3143

Trichromacy



Original Color

40.6750, 0.4274, 0.4415

Protanomaly

40.7132, 0.4164, 0.4478

Deuteranomaly

40.4552, 0.4351, 0.4344

Tritanomaly

40.4764, 0.3841, 0.3634

Monochromacy



Original Color

40.6750, 0.4274, 0.4415

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.0342, 0.3556, 0.3765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6750, 0.4274, 0.4415 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(202, 167, 73)` looks like.

```
.text, #text, p{  
    color:rgb(202, 167, 73)  
}
```

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(202, 167, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 167, 73) }
```

Border

The CSS property to change the border of an element to Yxy 40.6750, 0.4274, 0.4415 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(202, 167, 73) }
```

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

```
.border{ border-color:rgb(202, 167, 73) }
```

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

Here you see how a box with a 4 pixel rgb(202, 167, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 167, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 167, 73);  
box-shadow:4px 4px 4px 4px rgb(202, 167,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6750, 0.4274, 0.4415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 167, 73) }
```

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

```
.background{ background-color: rgb(202,  
167, 73) }
```

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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