

Converting Colors

$Y_{xy}(41.6129, 0.4672, 0.4139)$

Have a look what the booklet for
Yxy(41.6129, 0.4672, 0.4139)
contains.

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Color

Yxy(41.7638, 0.4665, 0.4140)

Conversions

Conversions Part 1

Format	Color
Hex	EA9C4A
RGB	234, 156, 74
RGB Percent	92%, 61%, 29%
CMY	0.0823, 0.3882, 0.7099
CMYK	0.00, 0.33, 0.68, 0.08
HSL	31°, 79%, 60%
HSV	31°, 68%, 92%
XYZ	47.0599, 41.7638, 12.0550
YIQ	169.9740, 72.8100, -8.9660

Conversions

Conversions Part 2

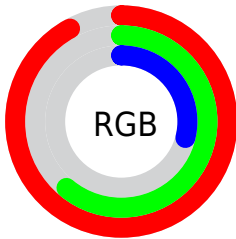
Format	Color
R _Y B	226, 234, 74
Decimal	15375434
CIE Lab	70.71, 21.82, 53.46
CIE LCh	71, 57.740, 67.801
Yxy	41.7638, 0.4665, 0.4140
Android (android.graphics.Color)	4293565514 (0xFFEA9C4A)
YUV	169.9740, -47.3152, 56.1508
Hunter-Lab	64.6249, 16.8903, 34.1776

Details

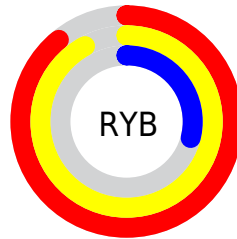
The Yxy color **41.7638, 0.4665, 0.4140** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **29.8517, 0.2052, 0.2119**, and the grayscale version is **40.3983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3549, 0.4085, 0.4148**, and **19.1560, 0.5030, 0.4256** is the 20% darker color. If you saturate the color by 10%, you get **37.8565, 0.4928, 0.4184**, and if you desaturate by 10%, it is **46.1522, 0.4393, 0.4054**.

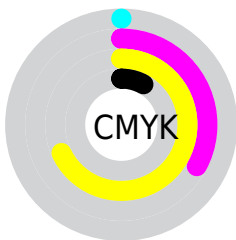
Distribution



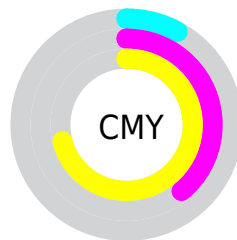
- Red (92%)
- Green (61%)
- Blue (29%)



- Red (89%)
- Yellow (92%)
- Blue (29%)



- Cyan (0%)
- Magenta (33%)
- Yellow (68%)
- Black (8%)




- Cyan (8%)
- Magenta (39%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.7638, 0.4665, 0.4140 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 41.7638, 0.4665, 0.4140 by changing the saturation by 10% instead.


 41.7638, 0.4665,
0.4140


 41.7638, 0.4665,
0.4140


353.5029, 0.3911,
0.3781


 28.9164, 0.4834,
0.4199


 77.8420, 0.4402,
0.4031


 19.0176, 0.5036,
0.4254

 101.8416, 0.4300,
0.3983


 11.6830, 0.5273,
0.4292


 130.3274, 0.4212,
0.3940

 6.5282, 0.5641,
0.4359

 163.6838, 0.4135,
0.3901

 3.1688, 0.5834,
0.4166

 202.2951, 0.4069,
0.3866

 1.2205, 0.6153,
0.3847

246.5458, 0.4010,

 0.0784, 0.8857,

0.3835

0.1143

296.8202, 0.3958,
0.3807

0.0000, 0.0000,
0.0000

41.7638, 0.4665,
0.4140

41.7638, 0.4665,
0.4140

37.8565, 0.4928,
0.4184

46.1522, 0.4393,
0.4054

34.4003, 0.5164,
0.4175

51.0366, 0.4127,
0.3940

31.3672, 0.5362,
0.4113


56.4383, 0.3876,
0.3808

30.9127, 0.5392,
0.4101

62.3754, 0.3647,
0.3669

68.8649, 0.3443,
0.3531

 75.9227, 0.3262,
0.3397

 83.5642, 0.3103,
0.3270

 91.3988, 0.2999,
0.3213

 96.2354, 0.2999,
0.3290

Harmonies

Analogous

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



41.7638, 0.4750, 0.3537



41.7638, 0.4665, 0.4140



41.7638, 0.4152, 0.4655

Triad

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



41.7638, 0.4665, 0.4140



41.7638, 0.2028, 0.3513



41.7638, 0.2671, 0.2142

Complementary

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



41.7638, 0.4665, 0.4140



29.8517, 0.2052, 0.2119

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.



41.7638, 0.2069, 0.2045



41.7638, 0.4665, 0.4140



41.7638, 0.1737, 0.2701

Square

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



41.7638, 0.4665, 0.4140



41.7638, 0.2628, 0.4393



41.7638, 0.1756, 0.2213



41.7638, 0.3498, 0.2464

Rectangle

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



41.7638, 0.4665, 0.4140



41.7638, 0.3669, 0.4831



41.7638, 0.1756, 0.2213



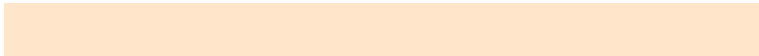
41.7638, 0.2439, 0.2083

Sweetspot

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



41.7659, 0.4665, 0.4140



81.4786, 0.3496, 0.3568



24.7229, 0.4219, 0.2471



16.9679, 0.3552, 0.3606



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.



41.7659, 0.4665, 0.4140



44.2601, 0.5026, 0.4187



76.8451, 0.4054, 0.4822



16.3306, 0.3280, 0.3411



17.6215, 0.5368, 0.4119



1.5763, 0.5162, 0.4283

Inverse Universe

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



29.8517, 0.2052, 0.2119



28.9267, 0.1891, 0.1839



12.2910, 0.1803, 0.1102



15.7612, 0.2981, 0.3166



10.3606, 0.1761, 0.1539



1.0056, 0.1832, 0.1793

Previews

White Background



This preview shows how the Yxy color 41.7638, 0.4665, 0.4140 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 41.7638, 0.4665, 0.4140 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 41.7638, 0.4665, 0.4140

Background



This preview shows how black text looks on a background with the Yxy color 41.7638, 0.4665, 0.4140.



This preview shows how white text looks on a background with the Yxy color 41.7638, 0.4665, 0.4140.

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

41.7638, 0.4665, 0.4140

Protanopia

42.0431, 0.4081, 0.4481

Deuteranopia

41.8252, 0.4423, 0.4337



Tritanopia

41.6868, 0.3969, 0.3169

Trichromacy



Original Color

41.7638, 0.4665, 0.4140

Protanomaly

41.4387, 0.4296, 0.4353

Deuteranomaly

41.8513, 0.4508, 0.4264

Tritanomaly

41.3495, 0.4265, 0.3551

Monochromacy



Original Color

41.7638, 0.4665, 0.4140

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.9970, 0.3675, 0.3691

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7638, 0.4665, 0.4140 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(234, 156, 74)` looks like.

```
.text, #text, p{  
    color:rgb(234, 156, 74)  
}
```

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(234, 156, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 156, 74) }
```

Border

The CSS property to change the border of an element to Yxy 41.7638, 0.4665, 0.4140 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(234, 156, 74) }
```

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

```
.border{ border-color:rgb(234, 156, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 156, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 156, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 156, 74);  
box-shadow:4px 4px 4px 4px rgb(234, 156,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7638, 0.4665, 0.4140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 156, 74) }
```

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

```
.background{ background-color: rgb(234,  
156, 74) }
```

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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