

Converting Colors

$Y_{xy}(46.1400, 0.4312, 0.3957)$

Have a look what the booklet for
Yxy(46.1400, 0.4312, 0.3957)
contains.

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Color

Yxy(46.1914, 0.4317, 0.3956)

Conversions

Conversions Part 1

Format	Color
Hex	EAA76B
RGB	234, 167, 107
RGB Percent	92%, 65%, 42%
CMY	0.0823, 0.3451, 0.5804
CMYK	0.00, 0.29, 0.54, 0.08
HSL	28°, 75%, 67%
HSV	28°, 54%, 92%
XYZ	50.4065, 46.1914, 20.1650
YIQ	180.1930, 59.1920, -4.4560

Conversions

Conversions Part 2

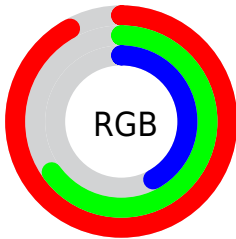
Format	Color
RYB	234, 221, 107
Decimal	15378283
CIELab	73.67, 18.21, 40.60
CIELCh	74, 44.499, 65.842
Yxy	46.1914, 0.4317, 0.3956
Android (android.graphics.Color)	4293568363 (0xFFEAA76B)
YUV	180.1930, -36.0841, 47.1887
Hunter-Lab	67.9643, 13.4493, 29.9837

Details

The Yxy color **46.1914, 0.4317, 0.3956** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **39.3371, 0.2268, 0.2475**, and the grayscale version is **45.9256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0058, 0.3810, 0.3934**, and **21.6809, 0.4624, 0.4079** is the 20% darker color. If you saturate the color by 10%, you get **41.4566, 0.4605, 0.4046**, and if you desaturate by 10%, it is **51.4958, 0.4043, 0.3843**.

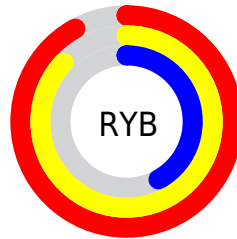
Distribution



Red (92%)

Green (65%)

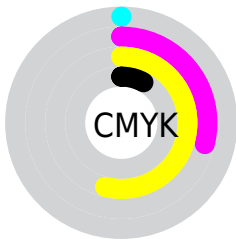
Blue (42%)



Red (92%)

Yellow (87%)

Blue (42%)

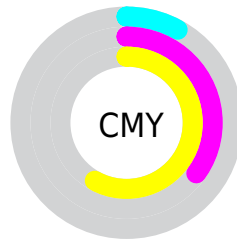


Cyan (0%)

Magenta (29%)

Yellow (54%)

Black (8%)



Cyan (8%)


Magenta (35%)


Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1914, 0.4317, 0.3956 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 46.1914, 0.4317, 0.3956 by changing the saturation by 10% instead.


 46.1914, 0.4317,
0.3956


 46.1914, 0.4317,
0.3956


371.5776, 0.3728,
0.3658


 32.3969, 0.4456,
0.4015


 84.5054, 0.4107,
0.3858


 21.6648, 0.4629,
0.4082


 109.7936, 0.4027,
0.3818

 13.6108, 0.4845,
0.4152


 139.6819, 0.3959,
0.3783

 7.8505, 0.5118,
0.4215

 174.5546, 0.3900,
0.3752

 3.9994, 0.5620,
0.4364

214.7961, 0.3849,
0.3725

 1.6732, 0.5863,
0.4137

260.7909, 0.3804,

 0.4062, 0.6716,

0.3700

0.3284

312.9232, 0.3764,
0.3678

0.0000, 0.0000,
0.0000

46.1914, 0.4317,
0.3956

46.1914, 0.4317,
0.3956

41.4566, 0.4605,
0.4046

51.4958, 0.4043,
0.3843

37.2615, 0.4894,
0.4100

57.3844, 0.3791,
0.3717

33.5830, 0.5163,
0.4105

63.8794, 0.3566,
0.3588

30.3924, 0.5395,
0.4054

70.9996, 0.3367,
0.3461

28.7679, 0.5511,
0.4006

78.7631, 0.3194,
0.3340

■ 87.1869, 0.3044,
0.3226

■ 95.2280, 0.2999,
0.3274

■ 96.2344, 0.2999,
0.3290

Harmonies

Analogous

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



46.1914, 0.4331, 0.3487



46.1914, 0.4317, 0.3956



46.1914, 0.3966, 0.4323

Triad

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



46.1914, 0.4317, 0.3956



46.1914, 0.2318, 0.3512



46.1914, 0.2753, 0.2382

Complementary

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



46.1914, 0.4317, 0.3956



39.3371, 0.2268, 0.2475

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.



46.1914, 0.2288, 0.2325



46.1914, 0.4317, 0.3956



46.1914, 0.2056, 0.2902

Square

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



46.1914, 0.4317, 0.3956



46.1914, 0.2805, 0.4117



46.1914, 0.2049, 0.2491



46.1914, 0.3372, 0.2629

Rectangle

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



46.1914, 0.4317, 0.3956



46.1914, 0.3608, 0.4430



46.1914, 0.2049, 0.2491



46.1914, 0.2576, 0.2340

Sweetspot

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



46.1937, 0.4317, 0.3956



84.6733, 0.3401, 0.3483



31.0918, 0.3846, 0.2550



17.7331, 0.3441, 0.3509



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.



46.1937, 0.4317, 0.3956



49.8289, 0.4635, 0.4054



75.0255, 0.3933, 0.4552



16.2277, 0.3281, 0.3402



16.4121, 0.5485, 0.4026



1.4801, 0.5260, 0.4205

Inverse Universe

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



39.3371, 0.2268, 0.2475



40.6778, 0.2115, 0.2273



20.4834, 0.2088, 0.1606



15.8643, 0.2981, 0.3176



11.6149, 0.1798, 0.1673



1.1045, 0.1865, 0.1913

Previews

White Background



This preview shows how the Yxy color 46.1914, 0.4317, 0.3956 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 46.1914, 0.4317, 0.3956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

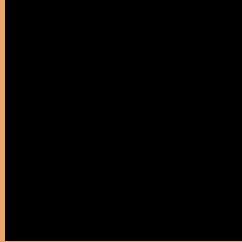
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.1914, 0.4317, 0.3956

Background



This preview shows how black text looks on a background with the Yxy color 46.1914, 0.4317, 0.3956.



This preview shows how white text looks on a background with the Yxy color 46.1914, 0.4317, 0.3956.

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

46.1914, 0.4317, 0.3956

Protanopia

46.2234, 0.3852, 0.4166

Deuteranopia

46.2999, 0.4164, 0.4071



Tritanopia

46.0873, 0.3792, 0.3158

Trichromacy



Original Color

46.1914, 0.4317, 0.3956

Protanomaly

46.0253, 0.4019, 0.4092

Deuteranomaly

46.3352, 0.4224, 0.4033

Tritanomaly

45.9833, 0.3991, 0.3451

Monochromacy



Original Color

46.1914, 0.4317, 0.3956

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.2392, 0.3545, 0.3572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1914, 0.4317, 0.3956 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, 167, 107)` looks like.

```
.text, #text, p{  
    color:rgb(234, 167, 107)  
}
```

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, 167, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 167, 107) }
```

Border

The CSS property to change the border of an element to Yxy 46.1914, 0.4317, 0.3956 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, 167, 107) }
```

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

```
.border{ border-color:rgb(234, 167, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 167, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 167, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 167, 107);  
box-shadow:4px 4px 4px 4px rgb(234, 167,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1914, 0.4317, 0.3956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 167, 107) }
```

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

```
.background{ background-color: rgb(234,  
167, 107) }
```

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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