

Converting Colors

Yxy(50.5807, 0.4323, 0.4096)

Have a look what the booklet for
Yxy(50.5807, 0.4323, 0.4096)
contains.

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Color

Yxy(50.5807, 0.4323, 0.4096)

Conversions

Conversions Part 1

Format	Color
Hex	EEB166
RGB	238, 177, 102
RGB Percent	93%, 69%, 40%
CMY	0.0666, 0.3059, 0.5999
CMYK	0.00, 0.26, 0.57, 0.07
HSL	33°, 80%, 67%
HSV	33°, 57%, 93%
XYZ	53.3839, 50.5807, 19.5235
YIQ	186.6890, 60.4310, -10.3930

Conversions

Conversions Part 2

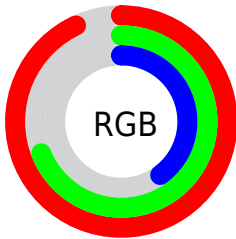
Format	Color
R _Y B	213, 238, 102
Decimal	15642982
CIE Lab	76.42, 14.15, 46.57
CIE LCh	76, 48.676, 73.095
Yxy	50.5807, 0.4323, 0.4096
Android (android.graphics.Color)	4293833062 (0xFFEEB166)
YUV	186.6890, -41.7517, 44.9997
Hunter-Lab	71.1201, 9.5247, 33.5081

Details

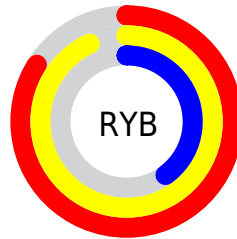
The Yxy color **50.5807, 0.4323, 0.4096** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **35.2037, 0.2193, 0.2269**, and the grayscale version is **49.7262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9044, 0.3796, 0.4075**, and **24.2469, 0.4618, 0.4239** is the 20% darker color. If you saturate the color by 10%, you get **46.1221, 0.4578, 0.4194**, and if you desaturate by 10%, it is **55.5099, 0.4071, 0.3970**.

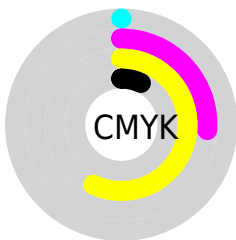
Distribution



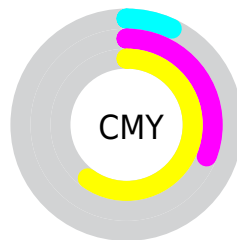
- Red (93%)
- Green (69%)
- Blue (40%)



- Red (84%)
- Yellow (93%)
- Blue (40%)



- Cyan (0%)
- Magenta (26%)
- Yellow (57%)
- Black (7%)





- Cyan (7%)
- Magenta (31%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.5807, 0.4323, 0.4096 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 50.5807, 0.4323, 0.4096 by changing the saturation by 10% instead.

 50.5807, 0.4323,
0.4096


 50.5807, 0.4323,
0.4096


388.9325, 0.3747,
0.3737


 35.8750, 0.4454,
0.4168


 91.0347, 0.4122,
0.3978


 24.3377, 0.4612,
0.4248


 117.5518, 0.4044,
0.3930

 15.5843, 0.4804,
0.4334


 148.7748, 0.3977,
0.3888

 9.2305, 0.5036,
0.4416

 185.0881, 0.3919,
0.3850

 4.8918, 0.5431,
0.4569

226.8761, 0.3868,
0.3817

 2.1839, 0.5594,
0.4406

274.5233, 0.3823,

 0.7112, 0.5926,

0.3788

0.4074

328.4140, 0.3783,
0.3761

0.0000, 0.0000,
0.0000

50.5807, 0.4323,
0.4096

50.5807, 0.4323,
0.4096

46.1221, 0.4578,
0.4194

55.5099, 0.4071,
0.3970

42.1072, 0.4824,
0.4252

60.9200, 0.3833,
0.3827

38.5167, 0.5045,
0.4259

66.8301, 0.3614,
0.3679

35.3242, 0.5229,
0.4211

73.2558, 0.3416,
0.3530

34.4744, 0.5278,
0.4191

80.2116, 0.3240,
0.3387

■ 87.7115, 0.3085,
0.3252

■ 94.8602, 0.3024,
0.3258

■ 96.9192, 0.3023,
0.3290

Harmonies

Analogous

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



50.5807, 0.4438, 0.3613



50.5807, 0.4323, 0.4096



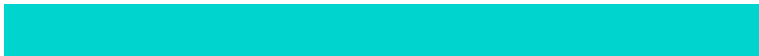
50.5807, 0.3881, 0.4442

Triad

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



50.5807, 0.4323, 0.4096



50.5807, 0.2180, 0.3355



50.5807, 0.2878, 0.2380

Complementary

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



50.5807, 0.4323, 0.4096



35.2037, 0.2193, 0.2269

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.



50.5807, 0.2339, 0.2268



50.5807, 0.4323, 0.4096



50.5807, 0.1972, 0.2747

Square

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



50.5807, 0.4323, 0.4096



50.5807, 0.2641, 0.4035



50.5807, 0.2029, 0.2380



50.5807, 0.3551, 0.2681

Rectangle

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



50.5807, 0.4323, 0.4096



50.5807, 0.3478, 0.4502



50.5807, 0.2029, 0.2380



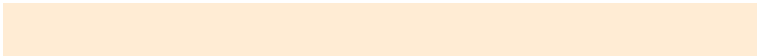
50.5807, 0.2676, 0.2320

Sweetspot

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



50.5832, 0.4323, 0.4096



85.7290, 0.3415, 0.3529



30.3371, 0.4052, 0.2635



18.0144, 0.3453, 0.3559



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.



50.5832, 0.4323, 0.4096



52.9009, 0.4631, 0.4210



79.1397, 0.3894, 0.4669



17.2038, 0.3279, 0.3420



19.4935, 0.5256, 0.4208



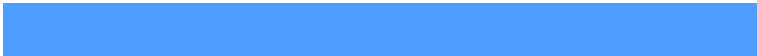
1.8201, 0.5078, 0.4350

Inverse Universe

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



35.2037, 0.2193, 0.2269



33.3334, 0.2017, 0.2007



18.9192, 0.2059, 0.1472



16.3964, 0.2980, 0.3156



9.5342, 0.1726, 0.1412



0.9890, 0.1796, 0.1663

Previews

White Background



This preview shows how the Yxy color 50.5807, 0.4323, 0.4096 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 50.5807, 0.4323, 0.4096 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 50.5807, 0.4323, 0.4096

Background



This preview shows how black text looks on a background with the Yxy color 50.5807, 0.4323, 0.4096.



This preview shows how white text looks on a background with the Yxy color 50.5807, 0.4323, 0.4096.

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

50.5807, 0.4323, 0.4096

Protanopia

50.7012, 0.3937, 0.4289

Deuteranopia

50.5710, 0.4247, 0.4161



Tritanopia

50.5746, 0.3715, 0.3150

Trichromacy



Original Color

50.5807, 0.4323, 0.4096

Protanomaly

50.6233, 0.4068, 0.4219

Deuteranomaly

50.6722, 0.4281, 0.4140

Tritanomaly

50.2701, 0.3961, 0.3502

Monochromacy



Original Color

50.5807, 0.4323, 0.4096

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.3891, 0.3552, 0.3626

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5807, 0.4323, 0.4096 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(238, 177, 102)` looks like.

```
.text, #text, p{  
    color:rgb(238, 177, 102)  
}
```

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(238, 177, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 177, 102) }
```

Border

The CSS property to change the border of an element to Yxy 50.5807, 0.4323, 0.4096 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(238, 177, 102) }
```

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

```
.border{ border-color:rgb(238, 177, 102) }
```

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

Here you see how a box with a 4 pixel rgb(238, 177, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 177, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 177, 102);  
box-shadow:4px 4px 4px 4px rgb(238, 177,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5807, 0.4323, 0.4096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 177, 102) }
```

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

```
.background{ background-color: rgb(238,  
177, 102) }
```

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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