

Converting Colors

$Y_{xy}(48.3478, 0.4580, 0.4153)$

Have a look what the booklet for
Yxy(48.3478, 0.4580, 0.4153)
contains.

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Color

Yxy(48.4129, 0.4583, 0.4154)

Conversions

Conversions Part 1

Format	Color
Hex	F5A953
RGB	245, 169, 83
RGB Percent	96%, 66%, 33%
CMY	0.0391, 0.3373, 0.6744
CMYK	0.00, 0.31, 0.66, 0.04
HSL	32°, 89%, 64%
HSV	32°, 66%, 96%
XYZ	53.4127, 48.4129, 14.7197
YIQ	181.9200, 72.9020, -10.6340

Conversions

Conversions Part 2

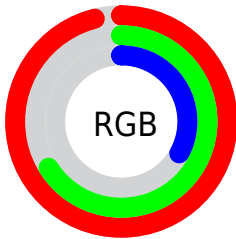
Format	Color
R _Y B	226, 245, 83
Decimal	16099667
CIE Lab	75.08, 20.00, 54.40
CIE LCh	75, 57.958, 69.810
Yxy	48.4129, 0.4583, 0.4154
Android (android.graphics.Color)	4294289747 (0xFFFF5A953)
YUV	181.9200, -48.7676, 55.3212
Hunter-Lab	69.5794, 15.2618, 36.1626

Details

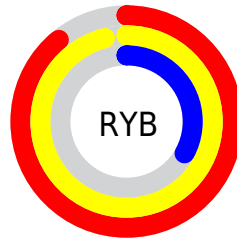
The Yxy color **48.4129, 0.4583, 0.4154** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **33.2531, 0.2070, 0.2120**, and the grayscale version is **46.9774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3489, 0.3955, 0.4174**, and **23.0067, 0.4914, 0.4288** is the 20% darker color. If you saturate the color by 10%, you get **44.0089, 0.4841, 0.4212**, and if you desaturate by 10%, it is **53.3319, 0.4318, 0.4057**.

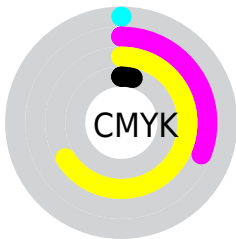
Distribution



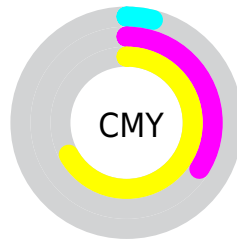
- Red (96%)
- Green (66%)
- Blue (33%)



- Red (89%)
- Yellow (96%)
- Blue (33%)



- Cyan (0%)
- Magenta (31%)
- Yellow (66%)
- Black (4%)





- Cyan (4%)
- Magenta (34%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.4129, 0.4583, 0.4154 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 48.4129, 0.4583, 0.4154 by changing the saturation by 10% instead.


 48.4129, 0.4583,
0.4154

 48.4129, 0.4583,
0.4154


380.4264, 0.3886,
0.3790


 34.1540, 0.4736,
0.4217


 87.8189, 0.4343,
0.4042


 23.0119, 0.4918,
0.4280


 113.7347, 0.4249,
0.3993


 14.6023, 0.5132,
0.4335


 144.3049, 0.4167,
0.3950

 8.5408, 0.5403,
0.4379

 179.9140, 0.4096,
0.3911

 4.4429, 0.5672,
0.4328

 220.9463, 0.4034,
0.3876

 1.9243, 0.5906,
0.4094

267.7862, 0.3979,

 0.5629, 0.6481,

0.3844

0.3519

320.8181, 0.3930,
0.3816

0.0000, 0.0000,
0.0000

48.4129, 0.4583,
0.4154

48.4129, 0.4583,
0.4154

44.0089, 0.4841,
0.4212

53.3319, 0.4318,
0.4057

40.0880, 0.5075,
0.4218

58.7804, 0.4060,
0.3933


36.6243, 0.5272,
0.4170

64.7811, 0.3818,
0.3794

35.3875, 0.5342,
0.4141

71.3528, 0.3597,
0.3650

78.5132, 0.3399,
0.3508

 86.2788, 0.3224,
0.3370

 94.6658, 0.3070,
0.3241

 98.1567, 0.3066,
0.3290

Harmonies

Analogous

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



48.4129, 0.4690, 0.3575



48.4129, 0.4583, 0.4154



48.4129, 0.4074, 0.4627

Triad

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



48.4129, 0.4583, 0.4154



48.4129, 0.2045, 0.3448



48.4129, 0.2740, 0.2199

Complementary

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



48.4129, 0.4583, 0.4154



33.2531, 0.2070, 0.2120

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.



48.4129, 0.2140, 0.2090



48.4129, 0.4583, 0.4154



48.4129, 0.1781, 0.2688

Square

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



48.4129, 0.4583, 0.4154



48.4129, 0.2607, 0.4290



48.4129, 0.1818, 0.2237



48.4129, 0.3540, 0.2523

Rectangle

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



48.4129, 0.4583, 0.4154



48.4129, 0.3604, 0.4766



48.4129, 0.1818, 0.2237



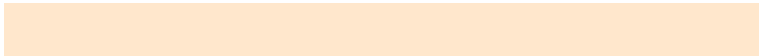
48.4129, 0.2511, 0.2136

Sweetspot

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



48.4153, 0.4583, 0.4154



82.8067, 0.3474, 0.3563



28.1934, 0.4207, 0.2512



17.2527, 0.3530, 0.3604



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.



48.4153, 0.4583, 0.4154



46.8197, 0.4916, 0.4219



84.8786, 0.4016, 0.4805



17.9385, 0.3280, 0.3416



19.3399, 0.5318, 0.4159



1.9055, 0.5139, 0.4302

Inverse Universe

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



33.2531, 0.2070, 0.2120



29.2034, 0.1908, 0.1848



14.7517, 0.1854, 0.1169



17.2092, 0.2980, 0.3161



10.4280, 0.1743, 0.1476



1.1204, 0.1809, 0.1711

Previews

White Background



This preview shows how the Yxy color 48.4129, 0.4583, 0.4154 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 48.4129, 0.4583, 0.4154 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 48.4129, 0.4583, 0.4154

Background



This preview shows how black text looks on a background with the Yxy color 48.4129, 0.4583, 0.4154.



This preview shows how white text looks on a background with the Yxy color 48.4129, 0.4583, 0.4154.

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

48.4129, 0.4583, 0.4154

Protanopia

48.3816, 0.4067, 0.4443

Deuteranopia

48.4677, 0.4407, 0.4303



Tritanopia

48.2458, 0.3904, 0.3164

Trichromacy



Original Color

48.4129, 0.4583, 0.4154

Protanomaly

48.1277, 0.4261, 0.4334

Deuteranomaly

48.1585, 0.4470, 0.4243

Tritanomaly

48.1982, 0.4186, 0.3550

Monochromacy



Original Color

48.4129, 0.4583, 0.4154

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.4987, 0.3648, 0.3681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4129, 0.4583, 0.4154 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(245, 169, 83)` looks like.

```
.text, #text, p{  
    color:rgb(245, 169, 83)  
}
```

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(245, 169, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 169, 83) }
```

Border

The CSS property to change the border of an element to Yxy 48.4129, 0.4583, 0.4154 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(245, 169, 83) }
```

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

```
.border{ border-color:rgb(245, 169, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 169, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 169, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 169, 83);  
box-shadow:4px 4px 4px 4px rgb(245, 169,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4129, 0.4583, 0.4154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 169, 83) }
```

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

```
.background{ background-color: rgb(245,  
169, 83) }
```

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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