

Converting Colors

$Y_{xy}(49.1546, 0.4635, 0.4113)$

Have a look what the booklet for
Yxy(49.1546, 0.4635, 0.4113)
contains.

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Color

Yxy(49.1546, 0.4635, 0.4113)

Conversions

Conversions Part 1

Format	Color
Hex	FBA854
RGB	251, 168, 84
RGB Percent	98%, 66%, 33%
CMY	0.0156, 0.3412, 0.6704
CMYK	0.00, 0.33, 0.67, 0.02
HSL	30°, 95%, 66%
HSV	30°, 67%, 98%
XYZ	55.3930, 49.1546, 14.9627
YIQ	183.2410, 76.4320, -8.5280

Conversions

Conversions Part 2

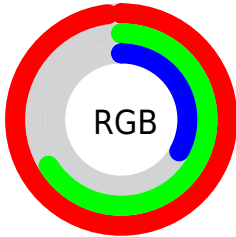
Format	Color
R _Y B	249, 251, 84
Decimal	16492628
CIE Lab	75.55, 23.05, 54.63
CIE LCh	76, 59.294, 67.128
Yxy	49.1546, 0.4635, 0.4113
Android (android.graphics.Color)	4294682708 (0xFFFB854)
YUV	183.2410, -48.9258, 59.4246
Hunter-Lab	70.1103, 18.3368, 36.4238

Details

The Yxy color **49.1546, 0.4635, 0.4113** is a light color, and the websafe version is hex **FF9933**. The color can be described as light muted orange. A complement of this color would be **36.5124, 0.2079, 0.2175**, and the grayscale version is **47.7389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8415, 0.3953, 0.4156**, and **23.5422, 0.4978, 0.4224** is the 20% darker color. If you saturate the color by 10%, you get **44.4423, 0.4906, 0.4162**, and if you desaturate by 10%, it is **54.4551, 0.4358, 0.4024**.

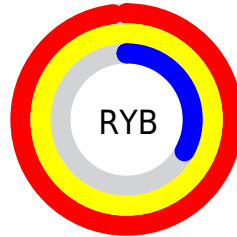
Distribution



Red (98%)

Green (66%)

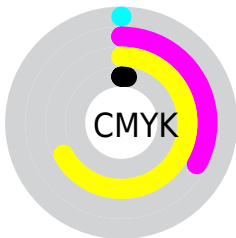
Blue (33%)



Red (98%)

Yellow (98%)

Blue (33%)

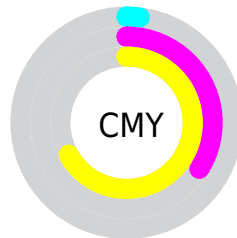


Cyan (0%)

Magenta (33%)

Yellow (67%)

Black (2%)



Cyan (2%)


Magenta (34%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.1546, 0.4635, 0.4113 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 49.1546, 0.4635, 0.4113 by changing the saturation by 10% instead.


 49.1546, 0.4635,
0.4113

 49.1546, 0.4635,
0.4113


383.3506, 0.3914,
0.3774

 34.7421, 0.4794,
0.4169


 88.9210, 0.4387,
0.4011


 23.4643, 0.4982,
0.4223


 115.0438, 0.4289,
0.3966


 14.9367, 0.5205,
0.4265


 145.8387, 0.4205,
0.3925

 8.7750, 0.5482,
0.4290

 181.6903, 0.4131,
0.3889

 4.5947, 0.5775,
0.4225

 222.9829, 0.4067,
0.3856

 2.0115, 0.6032,
0.3968

270.1009, 0.4010,

 0.6141, 0.6586,

0.3826

0.3414

323.4287, 0.3959,
0.3799

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.1546, 0.4635,
0.4113

49.1546, 0.4635,
0.4113

44.4423, 0.4906,
0.4162

54.4551, 0.4358,
0.4024

40.2825, 0.5154,
0.4160


60.3616, 0.4089,
0.3907


36.6448, 0.5361,
0.4102


66.9002, 0.3838,
0.3775

35.4890, 0.5426,
0.4073

74.0926, 0.3611,
0.3638

 81.9594, 0.3409,
0.3502

 90.5199, 0.3231,
0.3371

 99.2529, 0.3103,
0.3290

Harmonies

Analogous

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



49.1546, 0.4703, 0.3524



49.1546, 0.4635, 0.4113



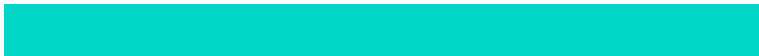
49.1546, 0.4145, 0.4615

Triad

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



49.1546, 0.4635, 0.4113



49.1546, 0.2066, 0.3529



49.1546, 0.2668, 0.2163

Complementary

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



49.1546, 0.4635, 0.4113



36.5124, 0.2079, 0.2175

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.



49.1546, 0.2084, 0.2074



49.1546, 0.4635, 0.4113



49.1546, 0.1772, 0.2734

Square

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



49.1546, 0.4635, 0.4113



49.1546, 0.2659, 0.4375



49.1546, 0.1783, 0.2247



49.1546, 0.3470, 0.2475

Rectangle

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



49.1546, 0.4635, 0.4113



49.1546, 0.3677, 0.4786



49.1546, 0.1783, 0.2247



49.1546, 0.2443, 0.2107

Sweetspot

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



49.1571, 0.4635, 0.4113



82.0146, 0.3477, 0.3549



29.6687, 0.4181, 0.2481



17.0632, 0.3533, 0.3588



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.



49.1571, 0.4635, 0.4113



44.4688, 0.4998, 0.4168



90.1602, 0.4040, 0.4799



18.6675, 0.3281, 0.3409



18.9430, 0.5401, 0.4094



1.9665, 0.5218, 0.4239

Inverse Universe

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



36.5124, 0.2079, 0.2175



30.5198, 0.1918, 0.1906



15.1990, 0.1832, 0.1148



18.0687, 0.2980, 0.3168



11.6349, 0.1768, 0.1566



1.2895, 0.1829, 0.1782

Previews

White Background



This preview shows how the Yxy color 49.1546, 0.4635, 0.4113 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 49.1546, 0.4635, 0.4113 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 49.1546, 0.4635, 0.4113

Background



This preview shows how black text looks on a background with the Yxy color 49.1546, 0.4635, 0.4113.



This preview shows how white text looks on a background with the Yxy color 49.1546, 0.4635, 0.4113.

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

49.1546, 0.4635, 0.4113

Protanopia

49.5442, 0.4058, 0.4434

Deuteranopia

49.0424, 0.4402, 0.4300



Tritanopia

48.9965, 0.3941, 0.3166

Trichromacy



Original Color

49.1546, 0.4635, 0.4113

Protanomaly

49.0351, 0.4267, 0.4313

Deuteranomaly

49.0738, 0.4481, 0.4232

Tritanomaly

48.7756, 0.4236, 0.3535

Monochromacy



Original Color

49.1546, 0.4635, 0.4113

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.3573, 0.3664, 0.3676

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1546, 0.4635, 0.4113 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(251, 168, 84)` looks like.

```
.text, #text, p{  
    color:rgb(251, 168, 84)  
}
```

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(251, 168, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 168, 84) }
```

Border

The CSS property to change the border of an element to Yxy 49.1546, 0.4635, 0.4113 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(251, 168, 84) }
```

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

```
.border{ border-color:rgb(251, 168, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 168, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 168, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 168, 84);  
box-shadow:4px 4px 4px 4px rgb(251, 168,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1546, 0.4635, 0.4113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 168, 84) }
```

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

```
.background{ background-color: rgb(251,  
168, 84) }
```

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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