

Converting Colors

$Y_{xy}(46.6447, 0.4496, 0.3852)$

Have a look what the booklet for
Yxy(46.6447, 0.4496, 0.3852)
contains.

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Color

Yxy(46.6910, 0.4494, 0.3852)

Conversions

Conversions Part 1

Format	Color
Hex	F9A16B
RGB	249, 161, 107
RGB Percent	98%, 63%, 42%
CMY	0.0234, 0.3687, 0.5804
CMYK	0.00, 0.35, 0.57, 0.02
HSL	23°, 92%, 70%
HSV	23°, 57%, 98%
XYZ	54.4728, 46.6910, 20.0485
YIQ	181.1560, 69.7820, 1.8620

Conversions

Conversions Part 2

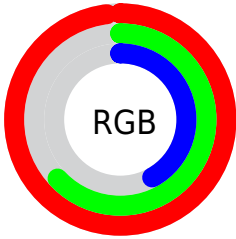
Format	Color
R _Y B	249, 194, 107
Decimal	16359787
CIE Lab	73.99, 27.43, 41.38
CIE LCh	74, 49.641, 56.462
Yxy	46.6910, 0.4494, 0.3852
Android (android.graphics.Color)	4294549867 (0xFFF9A16B)
YUV	181.1560, -36.5589, 59.4992
Hunter-Lab	68.3308, 22.7200, 30.4357

Details

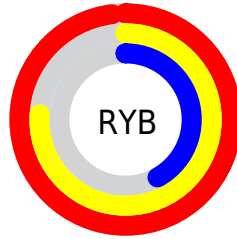
The Yxy color **46.6910, 0.4494, 0.3852** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **49.0095, 0.2264, 0.2599**, and the grayscale version is **46.4715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.8749, 0.3833, 0.3876**, and **22.0616, 0.4851, 0.3932** is the 20% darker color. If you saturate the color by 10%, you get **41.1770, 0.4827, 0.3912**, and if you desaturate by 10%, it is **53.0266, 0.4179, 0.3766**.

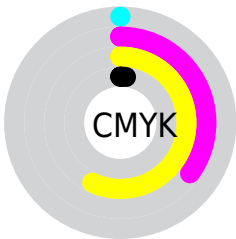
Distribution



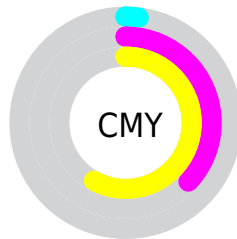
- Red (98%)
- Green (63%)
- Blue (42%)



- Red (98%)
- Yellow (76%)
- Blue (42%)



- Cyan (0%)
- Magenta (35%)
- Yellow (57%)
- Black (2%)





- Cyan (2%)
- Magenta (37%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6910, 0.4494, 0.3852 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 46.6910, 0.4494, 0.3852 by changing the saturation by 10% instead.

 46.6910, 0.4494,
0.3852

 46.6910, 0.4494,
0.3852


373.5798, 0.3817,
0.3618

 32.7914, 0.4654,
0.3892


 85.2522, 0.4253,
0.3780


 21.9667, 0.4853,
0.3932

 110.6826, 0.4161,
0.3749

 13.8325, 0.5101,
0.3966


 140.7255, 0.4082,
0.3721

 8.0042, 0.5415,
0.3977

 175.7651, 0.4014,
0.3696

 4.0977, 0.5968,
0.4032

216.1860, 0.3955,
0.3674

 1.7283, 0.6286,
0.3714

262.3725, 0.3904,

 0.4419, 0.7161,

0.3653

0.2839

314.7089, 0.3858,
0.3635

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.6910, 0.4494,
0.3852

■ 46.6910, 0.4494,
0.3852

■ 41.1770, 0.4827,
0.3912

■ 53.0266, 0.4179,
0.3766

■ 36.4400, 0.5160,
0.3932

■ 60.2113, 0.3895,
0.3666

■ 32.4410, 0.5466,
0.3902

■ 68.2800, 0.3644,
0.3561

■ 29.1326, 0.5717,
0.3820

■ 77.2632, 0.3427,
0.3457

■ 28.2713, 0.5783,
0.3790

■ 87.1900, 0.3241,
0.3357

■ 97.9969, 0.3091,
0.3276

■ 98.8849, 0.3090,
0.3290

Harmonies

Analogous

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



46.6910, 0.4383, 0.3331



46.6910, 0.4494, 0.3852



46.6910, 0.4201, 0.4317

Triad

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



46.6910, 0.4494, 0.3852



46.6910, 0.2375, 0.3764



46.6910, 0.2528, 0.2252

Complementary

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



46.6910, 0.4494, 0.3852



49.0095, 0.2264, 0.2599

Split Complementary

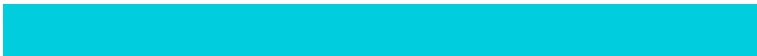
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.6910, 0.2096, 0.2258



46.6910, 0.4494, 0.3852



46.6910, 0.2009, 0.3045

Square

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



46.6910, 0.4494, 0.3852



46.6910, 0.2965, 0.4376



46.6910, 0.1919, 0.2515



46.6910, 0.3171, 0.2462

Rectangle

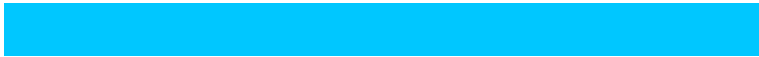
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.6910, 0.4494, 0.3852



46.6910, 0.3844, 0.4518



46.6910, 0.1919, 0.2515



46.6910, 0.2357, 0.2228

Sweetspot

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



46.6934, 0.4494, 0.3852



81.5548, 0.3427, 0.3456



34.6875, 0.3734, 0.2381



17.0309, 0.3468, 0.3477



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.



46.6934, 0.4494, 0.3852



42.8940, 0.4863, 0.3916



77.8501, 0.4046, 0.4496



18.3067, 0.3284, 0.3381



15.3818, 0.5754, 0.3813



1.6219, 0.5531, 0.3990

Inverse Universe

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



49.0095, 0.2264, 0.2599



45.4238, 0.2130, 0.2437



24.8705, 0.2064, 0.1677



18.4351, 0.2980, 0.3198



16.3741, 0.1887, 0.1992



1.7210, 0.1934, 0.2164

Previews

White Background



This preview shows how the Yxy color 46.6910, 0.4494, 0.3852 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 46.6910, 0.4494, 0.3852 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 46.6910, 0.4494, 0.3852

Background



This preview shows how black text looks on a background with the Yxy color 46.6910, 0.4494, 0.3852.



This preview shows how white text looks on a background with the Yxy color 46.6910, 0.4494, 0.3852.

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

46.6910, 0.4494, 0.3852

Protanopia

46.8358, 0.3832, 0.4138

Deuteranopia

46.8012, 0.4183, 0.4099



Tritanopia

46.7105, 0.4002, 0.3176

Trichromacy



Original Color

46.6910, 0.4494, 0.3852

Protanomaly

46.1937, 0.4071, 0.4029

Deuteranomaly

46.5517, 0.4301, 0.4003

Tritanomaly

46.8230, 0.4194, 0.3431

Monochromacy



Original Color

46.6910, 0.4494, 0.3852

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.7270, 0.3596, 0.3542

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6910, 0.4494, 0.3852 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(249, 161, 107)` looks like.

```
.text, #text, p{  
    color:rgb(249, 161, 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(249, 161, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 161, 107) }
```

Border

The CSS property to change the border of an element to Yxy 46.6910, 0.4494, 0.3852 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(249, 161, 107) }
```

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

```
.border{ border-color:rgb(249, 161, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 161, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 161, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 161, 107);  
box-shadow:4px 4px 4px 4px rgb(249, 161,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6910, 0.4494, 0.3852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 161, 107) }
```

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

```
.background{ background-color: rgb(249,  
161, 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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