

Converting Colors

$Y_{xy}(46.7039, 0.4710, 0.3992)$

Have a look what the booklet for
Yxy(46.7039, 0.4710, 0.3992)
contains.

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Color

Yxy(46.5552, 0.4714, 0.3991)

Conversions

Conversions Part 1

Format	Color
Hex	FE9F57
RGB	254, 159, 87
RGB Percent	100%, 62%, 34%
CMY	0.0040, 0.3764, 0.6588
CMYK	0.00, 0.37, 0.66, 0.00
HSL	26°, 99%, 67%
HSV	26°, 66%, 100%
XYZ	54.9890, 46.5552, 15.1062
YIQ	179.1970, 79.7320, -2.2520

Conversions

Conversions Part 2

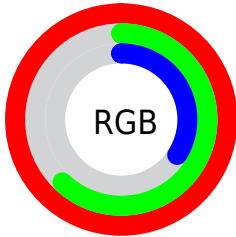
Format	Color
R _Y B	254, 214, 87
Decimal	16686935
CIE Lab	73.90, 29.11, 51.47
CIE LCh	74, 59.132, 60.509
Yxy	46.5552, 0.4714, 0.3991
Android (android.graphics.Color)	4294877015 (0xFFFE9F57)
YUV	179.1970, -45.4531, 65.6022
Hunter-Lab	68.2314, 24.4518, 34.6353

Details

The Yxy color **46.5552, 0.4714, 0.3991** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **42.6323, 0.2128, 0.2354**, and the grayscale version is **45.4072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2172, 0.3982, 0.4055**, and **21.9802, 0.5105, 0.4070** is the 20% darker color. If you saturate the color by 10%, you get **41.5306, 0.5023, 0.4028**, and if you desaturate by 10%, it is **52.3113, 0.4405, 0.3915**.

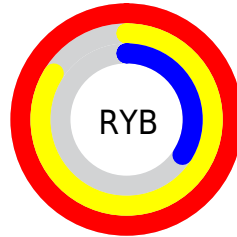
Distribution



Red (100%)

Green (62%)

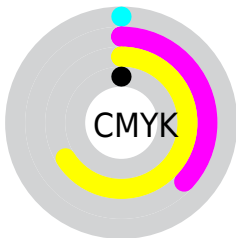
Blue (34%)



Red (100%)

Yellow (84%)

Blue (34%)

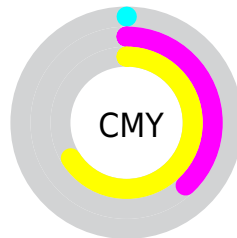


Cyan (0%)

Magenta (37%)

Yellow (66%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5552, 0.4714, 0.3991 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 46.5552, 0.4714, 0.3991 by changing the saturation by 10% instead.


 46.5552, 0.4714,
0.3991


 46.5552, 0.4714,
0.3991


373.0363, 0.3941,
0.3713

 32.6842, 0.4889,
0.4032


 85.0493, 0.4445,
0.3910

 21.8846, 0.5099,
0.4068


 110.4411, 0.4340,
0.3874


 13.7721, 0.5352,
0.4087


 140.4420, 0.4249,
0.3840

 7.9624, 0.5672,
0.4078

 175.4364, 0.4171,
0.3810

 4.0709, 0.6031,
0.3969

 215.8086, 0.4103,
0.3782

 1.7133, 0.6365,
0.3635

261.9431, 0.4043,

 0.4322, 0.7274,

0.3757

0.2726

314.2241, 0.3989,
0.3734

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.5552, 0.4714,
0.3991

■ 46.5552, 0.4714,
0.3991

■ 41.5306, 0.5023,
0.4028

■ 52.3113, 0.4405,
0.3915

■ 37.1944, 0.5309,
0.4014

■ 58.8244, 0.4112,
0.3814

■ 33.5078, 0.5549,
0.3945

■ 66.1273, 0.3844,
0.3700

■ 32.1177, 0.5639,
0.3904

■ 74.2482, 0.3606,
0.3581

83.2138, 0.3399,
0.3464

93.0495, 0.3219,
0.3351

99.8088, 0.3121,
0.3290

Harmonies

Analogous

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



46.5552, 0.4671, 0.3393



46.5552, 0.4714, 0.3991



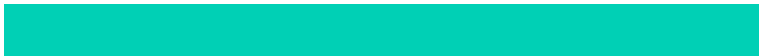
46.5552, 0.4294, 0.4537

Triad

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



46.5552, 0.4714, 0.3991



46.5552, 0.2160, 0.3734



46.5552, 0.2507, 0.2108

Complementary

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



46.5552, 0.4714, 0.3991



42.6323, 0.2128, 0.2354

Split Complementary

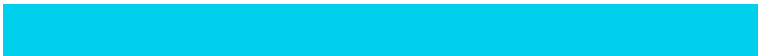
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.5552, 0.1978, 0.2073



46.5552, 0.4714, 0.3991



46.5552, 0.1792, 0.2878

Square

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



46.5552, 0.4714, 0.3991



46.5552, 0.2813, 0.4539



46.5552, 0.1738, 0.2312



46.5552, 0.3285, 0.2377

Rectangle

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



46.5552, 0.4714, 0.3991



46.5552, 0.3847, 0.4773



46.5552, 0.1738, 0.2312



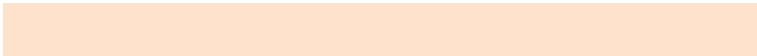
46.5552, 0.2299, 0.2069

Sweetspot

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



46.5576, 0.4714, 0.3991



80.0077, 0.3484, 0.3513



31.3649, 0.3978, 0.2355



16.5841, 0.3543, 0.3546



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.



46.5576, 0.4714, 0.3991



40.4002, 0.5120, 0.4029



84.1211, 0.4115, 0.4693



19.2752, 0.3283, 0.3393



17.2142, 0.5611, 0.3926



1.8881, 0.5412, 0.4085

Inverse Universe

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



42.6323, 0.2128, 0.2354



36.0465, 0.1982, 0.2128



18.4745, 0.1879, 0.1311



19.0929, 0.2979, 0.3185



14.6634, 0.1836, 0.1810



1.6449, 0.1887, 0.1994

Previews

White Background



This preview shows how the Yxy color 46.5552, 0.4714, 0.3991 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 46.5552, 0.4714, 0.3991 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 46.5552, 0.4714, 0.3991

Background



This preview shows how black text looks on a background with the Yxy color 46.5552, 0.4714, 0.3991.



This preview shows how white text looks on a background with the Yxy color 46.5552, 0.4714, 0.3991.

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

46.5552, 0.4714, 0.3991

Protanopia

46.6996, 0.4002, 0.4358

Deuteranopia

46.5348, 0.4367, 0.4270



Tritanopia

46.6868, 0.4045, 0.3188

Trichromacy



Original Color

46.5552, 0.4714, 0.3991

Protanomaly

46.2605, 0.4256, 0.4227

Deuteranomaly

46.4940, 0.4499, 0.4164

Tritanomaly

46.4520, 0.4322, 0.3502

Monochromacy



Original Color

46.5552, 0.4714, 0.3991

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

44.7022, 0.3675, 0.3619

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5552, 0.4714, 0.3991 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(254, 159, 87)` looks like.

```
.text, #text, p{  
    color:rgb(254, 159, 87)  
}
```

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(254, 159, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 159, 87) }
```

Border

The CSS property to change the border of an element to Yxy 46.5552, 0.4714, 0.3991 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(254, 159, 87) }
```

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

```
.border{ border-color:rgb(254, 159, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 159, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 159, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 159, 87);  
box-shadow:4px 4px 4px 4px rgb(254, 159,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5552, 0.4714, 0.3991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 159, 87) }
```

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

```
.background{ background-color: rgb(254,  
159, 87) }
```

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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