

Converting Colors

$Y_{xy}(73.4277, 0.5477, 0.3757)$

Have a look what the booklet for
Yxy(73.4277, 0.5477, 0.3757)
contains.

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Color

Yxy(46.5507, 0.4814, 0.4084)

Conversions

Conversions Part 1

Format	Color
Hex	FF9F4A
RGB	255, 159, 74
RGB Percent	100%, 62%, 29%
CMY	0.0000, 0.3764, 0.7100
CMYK	0.00, 0.38, 0.71, 0.00
HSL	28°, 100%, 64%
HSV	28°, 71%, 100%
XYZ	54.8715, 46.5507, 12.5609
YIQ	178.0140, 84.5010, -6.0830

Conversions

Conversions Part 2

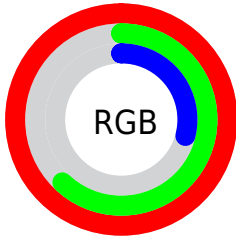
Format	Color
R _Y B	255, 234, 74
Decimal	16752458
CIE Lab	73.90, 28.83, 57.64
CIE LCh	74, 64.447, 63.431
Yxy	46.5507, 0.4814, 0.4084
Android (android.graphics.Color)	4294942538 (0xFFFF9F4A)
YUV	178.0140, -51.2789, 67.5167
Hunter-Lab	68.2281, 24.1570, 36.8442

Details

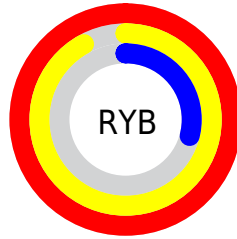
The Yxy color **46.5507, 0.4814, 0.4084** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **37.3946, 0.2041, 0.2167**, and the grayscale version is **44.7705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.8595, 0.4069, 0.4176**, and **21.8999, 0.5196, 0.4158** is the 20% darker color. If you saturate the color by 10%, you get **41.8782, 0.5094, 0.4104**, and if you desaturate by 10%, it is **51.8757, 0.4521, 0.4018**.

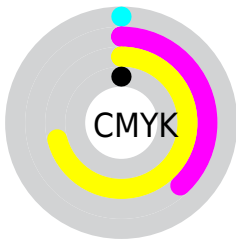
Distribution



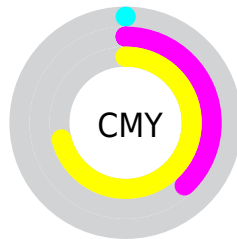
- Red (100%)
- Green (62%)
- Blue (29%)



- Red (100%)
- Yellow (92%)
- Blue (29%)



- Cyan (0%)
- Magenta (38%)
- Yellow (71%)
- Black (0%)




- Cyan (0%)
- Magenta (38%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5507, 0.4814, 0.4084 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 46.5507, 0.4814, 0.4084 by changing the saturation by 10% instead.


 46.5507, 0.4814,
0.4084


 46.5507, 0.4814,
0.4084


373.0182, 0.4005,
0.3776

 32.6806, 0.4991,
0.4126


 85.0426, 0.4536,
0.3998


 21.8819, 0.5199,
0.4158


 110.4331, 0.4426,
0.3957


 13.7701, 0.5441,
0.4167

 140.4327, 0.4332,
0.3920

 7.9610, 0.5792,
0.4179

 175.4255, 0.4249,
0.3886

 4.0700, 0.6021,
0.3979

 215.7961, 0.4176,
0.3855

 1.7128, 0.6352,
0.3648

261.9288, 0.4112,

 0.4319, 0.7260,

0.3826

0.2740

314.2081, 0.4056,
0.3800

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.5507, 0.4814,
0.4084

46.5507, 0.4814,
0.4084

41.8782, 0.5094,
0.4104

51.8757, 0.4521,
0.4018


37.8166, 0.5341,
0.4069


57.8765, 0.4234,
0.3920

34.6470, 0.5526,
0.3994


64.5835, 0.3964,
0.3802

72.0226, 0.3718,
0.3674

 80.2182, 0.3500,
0.3546

 89.1935, 0.3309,
0.3420

 98.9704, 0.3143,
0.3301

 99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



46.5507, 0.4836, 0.3445



46.5507, 0.4814, 0.4084



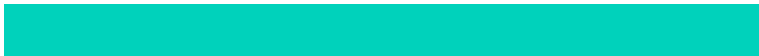
46.5507, 0.4310, 0.4672

Triad

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



46.5507, 0.4814, 0.4084



46.5507, 0.2024, 0.3672



46.5507, 0.2525, 0.2042

Complementary

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



46.5507, 0.4814, 0.4084



37.3946, 0.2041, 0.2167

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.



46.5507, 0.1933, 0.1975



46.5507, 0.4814, 0.4084



46.5507, 0.1673, 0.2756

Square

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



46.5507, 0.4814, 0.4084



46.5507, 0.2697, 0.4601



46.5507, 0.1651, 0.2191



46.5507, 0.3385, 0.2349

Rectangle

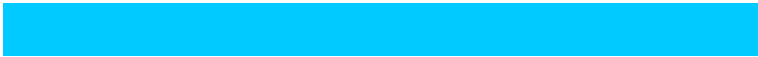
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.5507, 0.4814, 0.4084



46.5507, 0.3810, 0.4922



46.5507, 0.1651, 0.2191



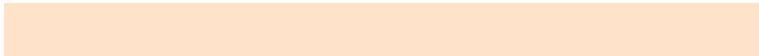
46.5507, 0.2293, 0.1991

Sweetspot

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



46.5531, 0.4814, 0.4084



80.2239, 0.3500, 0.3546



29.0703, 0.4205, 0.2397



16.6703, 0.3558, 0.3581



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.



46.5531, 0.4814, 0.4084



40.1848, 0.5198, 0.4097



89.4795, 0.4114, 0.4823



19.3944, 0.3282, 0.3402



18.3977, 0.5499, 0.4016



2.0078, 0.5312, 0.4164

Inverse Universe

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



37.3946, 0.2041, 0.2167



30.4709, 0.1896, 0.1909



14.4071, 0.1768, 0.1073



18.9721, 0.2979, 0.3175



13.1557, 0.1799, 0.1676



1.4998, 0.1854, 0.1873

Previews

White Background



This preview shows how the Yxy color 46.5507, 0.4814, 0.4084 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 46.5507, 0.4814, 0.4084 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 46.5507, 0.4814, 0.4084

Background



This preview shows how black text looks on a background with the Yxy color 46.5507, 0.4814, 0.4084.



This preview shows how white text looks on a background with the Yxy color 46.5507, 0.4814, 0.4084.

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

46.5507, 0.4814, 0.4084

Protanopia

46.6065, 0.4105, 0.4494

Deuteranopia

46.6602, 0.4474, 0.4374



Tritanopia

46.6511, 0.4055, 0.3198

Trichromacy



Original Color

46.5507, 0.4814, 0.4084

Protanomaly

46.1943, 0.4362, 0.4349

Deuteranomaly

46.4647, 0.4601, 0.4270

Tritanomaly

46.3144, 0.4372, 0.3553

Monochromacy



Original Color

46.5507, 0.4814, 0.4084

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.1411, 0.3733, 0.3683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5507, 0.4814, 0.4084 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(255, 159, 74)` looks like.

```
.text, #text, p{  
    color:rgb(255, 159, 74)  
}
```

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(255, 159, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 159, 74) }
```

Border

The CSS property to change the border of an element to Yxy 46.5507, 0.4814, 0.4084 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(255, 159, 74) }
```

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

```
.border{ border-color:rgb(255, 159, 74) }
```

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

Here you see how a box with a 4 pixel rgb(255, 159, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 159, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 159, 74);  
box-shadow:4px 4px 4px 4px rgb(255, 159,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5507, 0.4814, 0.4084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 159, 74) }
```

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

```
.background{ background-color: rgb(255,  
159, 74) }
```

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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