

Converting Colors

$Yxy(59.3949, 0.5033, 0.3882)$

Have a look what the booklet for
Yxy(59.3949, 0.5033, 0.3882)
contains.

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Color

Yxy(48.8748, 0.4665, 0.4039)

Conversions

Conversions Part 1

Format	Color
Hex	FFA558
RGB	255, 165, 88
RGB Percent	100%, 65%, 35%
CMY	0.0001, 0.3529, 0.6550
CMYK	0.00, 0.35, 0.66, 0.00
HSL	28°, 100%, 67%
HSV	28°, 66%, 100%
XYZ	56.4498, 48.8748, 15.6825
YIQ	183.1320, 78.3570, -4.8670

Conversions

Conversions Part 2

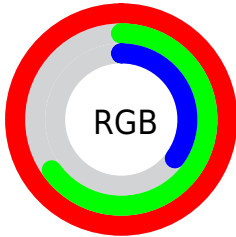
Format	Color
R _Y B	255, 231, 88
Decimal	16754008
CIE Lab	75.37, 26.44, 52.70
CIE LCh	75, 58.961, 63.362
Yxy	48.8748, 0.4665, 0.4039
Android (android.graphics.Color)	4294944088 (0xFFFFA558)
YUV	183.1320, -46.9001, 63.0282
Hunter-Lab	69.9105, 21.7880, 35.6373

Details

The Yxy color **48.8748, 0.4665, 0.4039** 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 **41.1018, 0.2114, 0.2289**, and the grayscale version is **47.6601, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3398, 0.3948, 0.4100**, and **23.4132, 0.5027, 0.4132** is the 20% darker color. If you saturate the color by 10%, you get **43.8342, 0.4959, 0.4084**, and if you desaturate by 10%, it is **54.6001, 0.4369, 0.3956**.

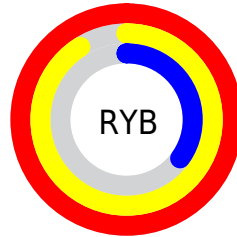
Distribution



Red (100%)

Green (65%)

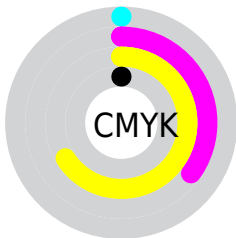
Blue (35%)



Red (100%)

Yellow (91%)

Blue (35%)

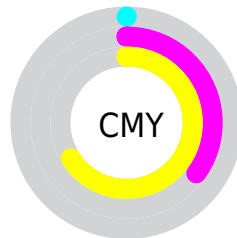


Cyan (0%)

Magenta (35%)

Yellow (66%)

Black (0%)



Cyan (0%)


Magenta (35%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8748, 0.4665, 0.4039 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 48.8748, 0.4665, 0.4039 by changing the saturation by 10% instead.


 48.8748, 0.4665,
0.4039


 48.8748, 0.4665,
0.4039


382.2492, 0.3924,
0.3737

 34.5202, 0.4830,
0.4087


 88.5055, 0.4408,
0.3949


 23.2935, 0.5028,
0.4131


 114.5503, 0.4308,
0.3909

 14.8104, 0.5265,
0.4162


 145.2607, 0.4221,
0.3873

 8.6864, 0.5555,
0.4167

 181.0210, 0.4146,
0.3840

 4.5372, 0.5900,
0.4100

222.2156, 0.4080,
0.3811

 1.9784, 0.6189,
0.3811

269.2289, 0.4022,

 0.5949, 0.6805,

0.3784

322.4453, 0.3970,
0.3759

0.3195

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.8748, 0.4665,
0.4039

48.8748, 0.4665,
0.4039

43.8342, 0.4959,
0.4084

54.6001, 0.4369,
0.3956

39.4379, 0.5230,
0.4077

61.0326, 0.4087,
0.3847

35.6509, 0.5460,
0.4015

68.2022, 0.3828,
0.3725

34.1283, 0.5551,
0.3974

76.1347, 0.3596,
0.3598

84.8545, 0.3392,
0.3473

94.3847, 0.3215,
0.3353

99.9961, 0.3127,
0.3290

Harmonies

Analogous

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



48.8748, 0.4669, 0.3450



48.8748, 0.4665, 0.4039



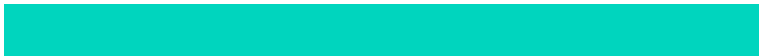
48.8748, 0.4220, 0.4559

Triad

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



48.8748, 0.4665, 0.4039



48.8748, 0.2129, 0.3640



48.8748, 0.2582, 0.2143

Complementary

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



48.8748, 0.4665, 0.4039



41.1018, 0.2114, 0.2289

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.



48.8748, 0.2034, 0.2084



48.8748, 0.4665, 0.4039



48.8748, 0.1796, 0.2820

Square

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



48.8748, 0.4665, 0.4039



48.8748, 0.2751, 0.4454



48.8748, 0.1770, 0.2294



48.8748, 0.3363, 0.2428

Rectangle

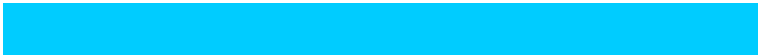
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.8748, 0.4665, 0.4039



48.8748, 0.3769, 0.4764



48.8748, 0.1770, 0.2294



48.8748, 0.2369, 0.2096

Sweetspot

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



48.8773, 0.4665, 0.4039



80.8481, 0.3481, 0.3528



31.5175, 0.4046, 0.2409



16.7845, 0.3539, 0.3564



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.



48.8773, 0.4665, 0.4039



42.2322, 0.5057, 0.4088



88.2547, 0.4079, 0.4729



19.3681, 0.3283, 0.3400



18.1272, 0.5524, 0.3996



1.9807, 0.5334, 0.4147

Inverse Universe

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



41.1018, 0.2114, 0.2289



33.8527, 0.1959, 0.2042



17.7147, 0.1869, 0.1260



18.9986, 0.2979, 0.3178



13.4757, 0.1807, 0.1705



1.5308, 0.1861, 0.1899

Previews

White Background



This preview shows how the Yxy color 48.8748, 0.4665, 0.4039 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 48.8748, 0.4665, 0.4039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

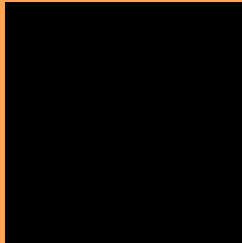
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.8748, 0.4665, 0.4039

Background



This preview shows how black text looks on a background with the Yxy color 48.8748, 0.4665, 0.4039.



This preview shows how white text looks on a background with the Yxy color 48.8748, 0.4665, 0.4039.

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

48.8748, 0.4665, 0.4039

Protanopia

48.9232, 0.4013, 0.4383

Deuteranopia

48.9232, 0.4373, 0.4279



Tritanopia

48.9208, 0.3961, 0.3187

Trichromacy



Original Color

48.8748, 0.4665, 0.4039

Protanomaly

48.3015, 0.4254, 0.4256

Deuteranomaly

48.9097, 0.4478, 0.4194

Tritanomaly

48.6432, 0.4241, 0.3513

Monochromacy



Original Color

48.8748, 0.4665, 0.4039

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.7441, 0.3671, 0.3639

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8748, 0.4665, 0.4039 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, 165, 88)` looks like.

```
.text, #text, p{  
    color:rgb(255, 165, 88)  
}
```

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, 165, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 165, 88) }
```

Border

The CSS property to change the border of an element to Yxy 48.8748, 0.4665, 0.4039 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, 165, 88) }
```

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

```
.border{ border-color:rgb(255, 165, 88) }
```

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

Here you see how a box with a 4 pixel rgb(255, 165, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 165, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 165, 88);  
box-shadow:4px 4px 4px 4px rgb(255, 165,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8748, 0.4665, 0.4039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 165, 88) }
```

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

```
.background{ background-color: rgb(255,  
165, 88) }
```

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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