

Converting Colors

$Y_{xy}(48.7801, 0.4446, 0.3902)$

Have a look what the booklet for
Yxy(48.7801, 0.4446, 0.3902)
contains.

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Color

Yxy(48.8599, 0.4442, 0.3904)

Conversions

Conversions Part 1

Format	Color
Hex	F9A76C
RGB	249, 167, 108
RGB Percent	98%, 65%, 42%
CMY	0.0235, 0.3451, 0.5763
CMYK	0.00, 0.33, 0.57, 0.02
HSL	25°, 92%, 70%
HSV	25°, 57%, 98%
XYZ	55.5932, 48.8599, 20.7004
YIQ	184.7920, 67.8110, -0.9650

Conversions

Conversions Part 2

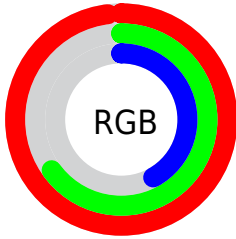
Format	Color
R _Y B	249, 209, 108
Decimal	16361324
CIE Lab	75.36, 24.34, 42.52
CIE LCh	75, 48.995, 60.215
Yxy	48.8599, 0.4442, 0.3904
Android (android.graphics.Color)	4294551404 (0xFFF9A76C)
YUV	184.7920, -37.8585, 56.3104
Hunter-Lab	69.8999, 19.6409, 31.3716

Details

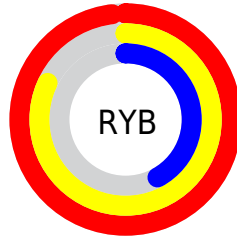
The Yxy color **48.8599, 0.4442, 0.3904** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **46.8720, 0.2254, 0.2533**, and the grayscale version is **48.5837, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0758, 0.3796, 0.3914**, and **23.3961, 0.4772, 0.4000** is the 20% darker color. If you saturate the color by 10%, you get **43.3922, 0.4757, 0.3974**, and if you desaturate by 10%, it is **55.0783, 0.4143, 0.3808**.

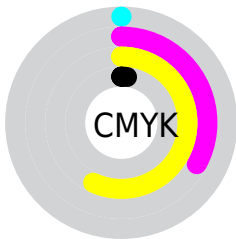
Distribution



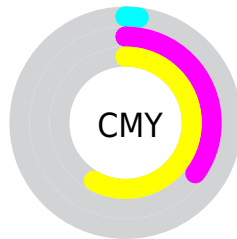
- Red (98%)
- Green (65%)
- Blue (42%)



- Red (98%)
- Yellow (82%)
- Blue (42%)



- Cyan (0%)
- Magenta (33%)
- Yellow (57%)
- Black (2%)





- Cyan (2%)
- Magenta (35%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.8599, 0.4442, 0.3904 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 48.8599, 0.4442, 0.3904 by changing the saturation by 10% instead.


 48.8599, 0.4442,
0.3904


 48.8599, 0.4442,
0.3904

382.1905, 0.3797,
0.3644


 34.5084, 0.4593,
0.3951


 88.4833, 0.4214,
0.3822


 23.2844, 0.4778,
0.4001


 114.5240, 0.4126,
0.3788

 14.8037, 0.5010,
0.4047


 145.2299, 0.4051,
0.3757

 8.6817, 0.5299,
0.4077

 180.9853, 0.3986,
0.3729

 4.5342, 0.5780,
0.4143

222.1747, 0.3930,
0.3704

 1.9766, 0.6096,
0.3904

269.1824, 0.3880,

 0.5938, 0.6689,

0.3682

0.3311

322.3929, 0.3836,
0.3662

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.8599, 0.4442,
0.3904

48.8599, 0.4442,
0.3904

43.3922, 0.4757,
0.3974

55.0783, 0.4143,
0.3808

38.6350, 0.5072,
0.4005

62.0703, 0.3870,
0.3698

34.5547, 0.5361,
0.3984

69.8667, 0.3627,
0.3582

31.1099, 0.5602,
0.3909

78.4942, 0.3416,
0.3468

■ 30.0713, 0.5675,
0.3876

■ 87.9783, 0.3233,
0.3359

■ 98.1847, 0.3091,
0.3279

■ 98.8789, 0.3090,
0.3290

Harmonies

Analogous

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



48.8599, 0.4385, 0.3396



48.8599, 0.4442, 0.3904



48.8599, 0.4117, 0.4338

Triad

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



48.8599, 0.4442, 0.3904



48.8599, 0.2337, 0.3662



48.8599, 0.2613, 0.2291

Complementary

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



48.8599, 0.4442, 0.3904



46.8720, 0.2254, 0.2533

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.



48.8599, 0.2161, 0.2270



48.8599, 0.4442, 0.3904



48.8599, 0.2011, 0.2976

Square

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



48.8599, 0.4442, 0.3904



48.8599, 0.2892, 0.4287



48.8599, 0.1955, 0.2491



48.8599, 0.3258, 0.2520

Rectangle

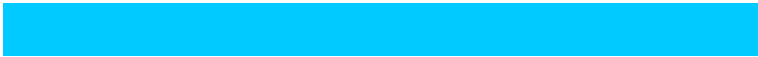
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.8599, 0.4442, 0.3904



48.8599, 0.3753, 0.4505



48.8599, 0.1955, 0.2491



48.8599, 0.2437, 0.2259

Sweetspot

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



48.8623, 0.4442, 0.3904



82.4692, 0.3424, 0.3473



34.6030, 0.3811, 0.2453



17.2459, 0.3465, 0.3495



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.



48.8623, 0.4442, 0.3904



45.0190, 0.4804, 0.3981



81.9355, 0.4001, 0.4545



18.4183, 0.3283, 0.3390



16.3631, 0.5647, 0.3898



1.7197, 0.5434, 0.4067

Inverse Universe

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



46.8720, 0.2254, 0.2533



42.6425, 0.2108, 0.2346



23.4131, 0.2054, 0.1604



18.3205, 0.2980, 0.3188



14.7622, 0.1849, 0.1857



1.5767, 0.1901, 0.2044

Previews

White Background



This preview shows how the Yxy color 48.8599, 0.4442, 0.3904 looks on a white background.

Color Contrast Check

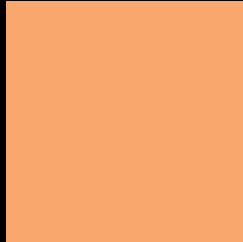
Large Text (above 18pt) WCAG AA × Fail

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 48.8599, 0.4442, 0.3904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

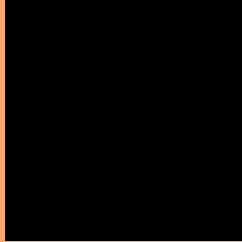
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.8599, 0.4442, 0.3904

Background



This preview shows how black text looks on a background with the Yxy color 48.8599, 0.4442, 0.3904.



This preview shows how white text looks on a background with the Yxy color 48.8599, 0.4442, 0.3904.

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

48.8599, 0.4442, 0.3904

Protanopia

49.0521, 0.3849, 0.4170

Deuteranopia

48.8158, 0.4193, 0.4094



Tritanopia

48.8074, 0.3932, 0.3166

Trichromacy



Original Color

48.8599, 0.4442, 0.3904

Protanomaly

48.6257, 0.4069, 0.4075

Deuteranomaly

48.6108, 0.4285, 0.4016

Tritanomaly

48.6742, 0.4130, 0.3442

Monochromacy



Original Color

48.8599, 0.4442, 0.3904

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.6850, 0.3576, 0.3551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8599, 0.4442, 0.3904 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, 167, 108)` looks like.

```
.text, #text, p{  
    color:rgb(249, 167, 108)  
}
```

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, 167, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 167, 108) }
```

Border

The CSS property to change the border of an element to Yxy 48.8599, 0.4442, 0.3904 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, 167, 108) }
```

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

```
.border{ border-color:rgb(249, 167, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 167, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 167, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 167, 108);  
box-shadow:4px 4px 4px 4px rgb(249, 167,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8599, 0.4442, 0.3904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 167, 108) }
```

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

```
.background{ background-color: rgb(249,  
167, 108) }
```

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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