

Converting Colors

Yxy(62.9006, 0.5114, 0.3841)

Have a look what the booklet for
Yxy(62.9006, 0.5114, 0.3841)
contains.

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Color

Yxy(48.8915, 0.4658, 0.4031)

Conversions

Conversions Part 1

Format	Color
Hex	FFA559
RGB	255, 165, 89
RGB Percent	100%, 65%, 35%
CMY	0.0000, 0.3529, 0.6511
CMYK	0.00, 0.35, 0.65, 0.00
HSL	27°, 100%, 67%
HSV	27°, 65%, 100%
XYZ	56.4963, 48.8915, 15.9010
YIQ	183.2460, 78.0360, -4.5560

Conversions

Conversions Part 2

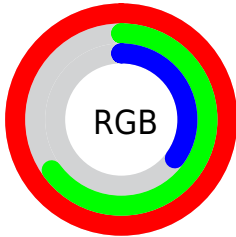
Format	Color
R_{YB}	255, 229, 89
Decimal	16754009
CIE _{Lab}	75.38, 26.51, 52.24
CIE _{LCh}	75, 58.576, 63.096
Yxy	48.8915, 0.4658, 0.4031
Android (android.graphics.Color)	4294944089 (0xFFFFA559)
YUV	183.2460, -46.4633, 62.9283
Hunter-Lab	69.9225, 21.8610, 35.4627

Details

The Yxy color **48.8915, 0.4658, 0.4031** 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 **41.5603, 0.2121, 0.2303**, and the grayscale version is **47.7235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3695, 0.3941, 0.4091**, and **23.4195, 0.5020, 0.4125** is the 20% darker color. If you saturate the color by 10%, you get **43.8180, 0.4954, 0.4077**, and if you desaturate by 10%, it is **54.6570, 0.4361, 0.3947**.

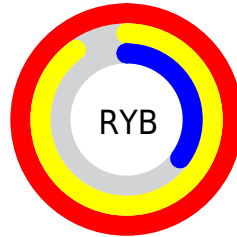
Distribution



Red (100%)

Green (65%)

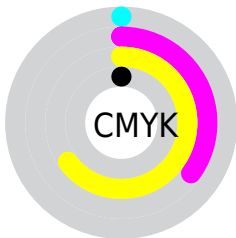
Blue (35%)



Red (100%)

Yellow (90%)

Blue (35%)

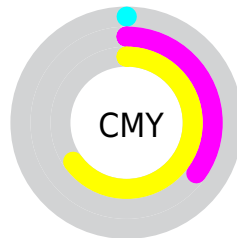


Cyan (0%)

Magenta (35%)

Yellow (65%)

Black (0%)



Cyan (0%)


Magenta (35%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8915, 0.4658, 0.4031 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 48.8915, 0.4658, 0.4031 by changing the saturation by 10% instead.


 48.8915, 0.4658,
0.4031


 48.8915, 0.4658,
0.4031


382.3150, 0.3920,
0.3732

 34.5334, 0.4823,
0.4078


 88.5303, 0.4402,
0.3942


 23.3037, 0.5021,
0.4123


 114.5798, 0.4302,
0.3903

 14.8179, 0.5258,
0.4154


 145.2952, 0.4216,
0.3867

 8.6917, 0.5548,
0.4158

 181.0609, 0.4141,
0.3834

 4.5406, 0.5902,
0.4098

222.2614, 0.4075,
0.3805

 1.9803, 0.6192,
0.3808

269.2810, 0.4017,

 0.5960, 0.6808,

0.3778

0.3192

322.5040, 0.3966,
0.3754

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.8915, 0.4658,
0.4031

48.8915, 0.4658,
0.4031

43.8180, 0.4954,
0.4077

54.6570, 0.4361,
0.3947

39.3959, 0.5229,
0.4072

61.1371, 0.4079,
0.3839

35.5900, 0.5462,
0.4011

68.3621, 0.3820,
0.3717

33.9349, 0.5561,
0.3966

76.3580, 0.3588,
0.3591

85.1494, 0.3385,
0.3467

94.7596, 0.3208,
0.3348

99.9995, 0.3127,
0.3290

Harmonies

Analogous

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



48.8915, 0.4657, 0.3445



48.8915, 0.4658, 0.4031



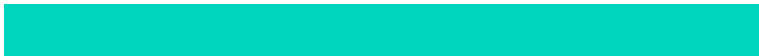
48.8915, 0.4220, 0.4549

Triad

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



48.8915, 0.4658, 0.4031



48.8915, 0.2140, 0.3646



48.8915, 0.2579, 0.2147

Complementary

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



48.8915, 0.4658, 0.4031



41.5603, 0.2121, 0.2303

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.



48.8915, 0.2036, 0.2092



48.8915, 0.4658, 0.4031



48.8915, 0.1805, 0.2830

Square

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



48.8915, 0.4658, 0.4031



48.8915, 0.2761, 0.4451



48.8915, 0.1776, 0.2303



48.8915, 0.3354, 0.2429

Rectangle

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



48.8915, 0.4658, 0.4031



48.8915, 0.3772, 0.4753



48.8915, 0.1776, 0.2303



48.8915, 0.2368, 0.2102

Sweetspot

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



48.8940, 0.4658, 0.4031



80.7548, 0.3481, 0.3527



31.7041, 0.4038, 0.2412



16.7622, 0.3539, 0.3562



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.



48.8940, 0.4658, 0.4031



42.4771, 0.5036, 0.4081



88.3155, 0.4075, 0.4723



19.3579, 0.3283, 0.3399



18.0226, 0.5534, 0.3988



1.9702, 0.5342, 0.4140

Inverse Universe

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



41.5603, 0.2121, 0.2303



34.5777, 0.1972, 0.2070



17.9393, 0.1876, 0.1272



19.0090, 0.2979, 0.3178



13.6031, 0.1810, 0.1716



1.5431, 0.1864, 0.1910

Previews

White Background



This preview shows how the Yxy color 48.8915, 0.4658, 0.4031 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 48.8915, 0.4658, 0.4031 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 48.8915, 0.4658, 0.4031

Background



This preview shows how black text looks on a background with the Yxy color 48.8915, 0.4658, 0.4031.



This preview shows how white text looks on a background with the Yxy color 48.8915, 0.4658, 0.4031.

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

48.8915, 0.4658, 0.4031

Protanopia

48.9415, 0.4006, 0.4372

Deuteranopia

48.9392, 0.4367, 0.4271



Tritanopia

48.9208, 0.3961, 0.3187

Trichromacy



Original Color

48.8915, 0.4658, 0.4031

Protanomaly

48.3191, 0.4247, 0.4247

Deuteranomaly

48.9260, 0.4471, 0.4186

Tritanomaly

48.6432, 0.4241, 0.3513

Monochromacy



Original Color

48.8915, 0.4658, 0.4031

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.7759, 0.3663, 0.3626

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8915, 0.4658, 0.4031 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, 89)` looks like.

```
.text, #text, p{  
    color:rgb(255, 165, 89)  
}
```

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, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 165, 89) }
```

Border

The CSS property to change the border of an element to Yxy 48.8915, 0.4658, 0.4031 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, 89) }
```

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

```
.border{ border-color:rgb(255, 165, 89) }
```

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, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 165, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 165, 89);  
box-shadow:4px 4px 4px 4px rgb(255, 165,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8915, 0.4658, 0.4031 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, 89) }
```

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

```
.background{ background-color: rgb(255,  
165, 89) }
```

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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