

Converting Colors

$Yxy(48.3092, 0.4728, 0.4083)$

Have a look what the booklet for
Yxy(48.3092, 0.4728, 0.4083)
contains.

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Color

Yxy(48.4050, 0.4723, 0.4082)

Conversions

Conversions Part 1

Format	Color
Hex	FFA451
RGB	255, 164, 81
RGB Percent	100%, 64%, 32%
CMY	0.0000, 0.3569, 0.6824
CMYK	0.00, 0.36, 0.68, 0.00
HSL	29°, 100%, 66%
HSV	29°, 68%, 100%
XYZ	56.0061, 48.4050, 14.1705
YIQ	181.7470, 80.8790, -6.5210

Conversions

Conversions Part 2

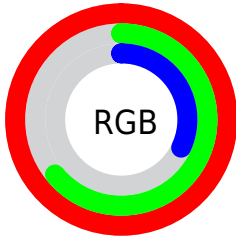
Format	Color
R _Y B	255, 240, 81
Decimal	16753745
CIE Lab	75.08, 26.60, 55.68
CIE LCh	75, 61.707, 64.468
Yxy	48.4050, 0.4723, 0.4082
Android (android.graphics.Color)	4294943825 (0xFFFFA451)
YUV	181.7470, -49.6683, 64.2429
Hunter-Lab	69.5737, 21.9366, 36.6256

Details

The Yxy color **48.4050, 0.4723, 0.4082** is a light color, and the websafe version is hex **FF9933**. The color can be described as light muted orange. A complement of this color would be **38.4653, 0.2071, 0.2201**, and the grayscale version is **46.8730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6165, 0.3998, 0.4157**, and **23.0096, 0.5084, 0.4178** is the 20% darker color. If you saturate the color by 10%, you get **43.5648, 0.5005, 0.4117**, and if you desaturate by 10%, it is **53.8858, 0.4433, 0.4005**.

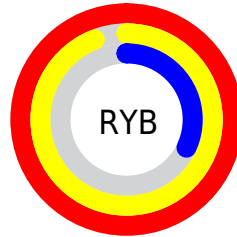
Distribution



Red (100%)

Green (64%)

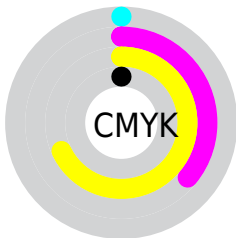
Blue (32%)



Red (100%)

Yellow (94%)

Blue (32%)

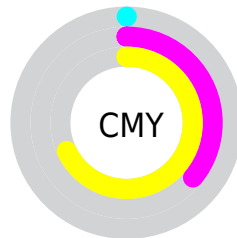


Cyan (0%)

Magenta (36%)

Yellow (68%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4050, 0.4723, 0.4082 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 48.4050, 0.4723, 0.4082 by changing the saturation by 10% instead.


 48.4050, 0.4723,
0.4082


 48.4050, 0.4723,
0.4082


380.3952, 0.3959,
0.3767


 34.1477, 0.4891,
0.4130


 87.8071, 0.4460,
0.3990


 23.0071, 0.5090,
0.4172

 113.7207, 0.4356,
0.3948


 14.5988, 0.5325,
0.4197


 144.2886, 0.4267,
0.3911

 8.5383, 0.5629,
0.4206

 179.8951, 0.4189,
0.3876

 4.4413, 0.5912,
0.4088

 220.9246, 0.4121,
0.3845

 1.9233, 0.6207,
0.3793

267.7615, 0.4060,

 0.5623, 0.6866,

0.3816

320.7903, 0.4007,
0.3790

0.3134

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.4050, 0.4723,
0.4082

48.4050, 0.4723,
0.4082

43.5648, 0.5005,
0.4117

53.8858, 0.4433,
0.4005

39.3379, 0.5259,
0.4099

60.0413, 0.4152,
0.3898

35.6830, 0.5470,
0.4027

66.8967, 0.3891,
0.3774

35.0936, 0.5505,
0.4011

74.4768, 0.3654,
0.3644

■ 82.8051, 0.3444,
0.3514

■ 91.9037, 0.3261,
0.3388

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



48.4050, 0.4754, 0.3470



48.4050, 0.4723, 0.4082



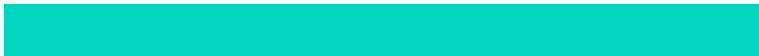
48.4050, 0.4239, 0.4627

Triad

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



48.4050, 0.4723, 0.4082



48.4050, 0.2064, 0.3621



48.4050, 0.2582, 0.2103

Complementary

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



48.4050, 0.4723, 0.4082



38.4653, 0.2071, 0.2201

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.



48.4050, 0.2003, 0.2032



48.4050, 0.4723, 0.4082



48.4050, 0.1734, 0.2766

Square

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



48.4050, 0.4723, 0.4082



48.4050, 0.2700, 0.4495



48.4050, 0.1720, 0.2234



48.4050, 0.3405, 0.2406

Rectangle

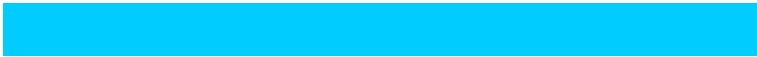
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.4050, 0.4723, 0.4082



48.4050, 0.3761, 0.4842



48.4050, 0.1720, 0.2234



48.4050, 0.2357, 0.2052

Sweetspot

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



48.4033, 0.4723, 0.4082



81.2883, 0.3479, 0.3536



30.1889, 0.4143, 0.2415



16.8896, 0.3537, 0.3573



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.



48.4033, 0.4723, 0.4082



41.9078, 0.5104, 0.4117



89.7283, 0.4090, 0.4787



19.4167, 0.3282, 0.3404



18.6318, 0.5478, 0.4032



2.0312, 0.5293, 0.4179

Inverse Universe

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



38.4653, 0.2071, 0.2201



31.3231, 0.1918, 0.1942



15.7484, 0.1814, 0.1150



18.9497, 0.2979, 0.3174



12.8892, 0.1792, 0.1651



1.4738, 0.1847, 0.1850

Previews

White Background



This preview shows how the Yxy color 48.4050, 0.4723, 0.4082 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 48.4050, 0.4723, 0.4082 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 48.4050, 0.4723, 0.4082

Background



This preview shows how black text looks on a background with the Yxy color 48.4050, 0.4723, 0.4082.



This preview shows how white text looks on a background with the Yxy color 48.4050, 0.4723, 0.4082.

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

48.4050, 0.4723, 0.4082

Protanopia

48.3816, 0.4067, 0.4443

Deuteranopia

48.4237, 0.4427, 0.4327



Tritanopia

48.5409, 0.3975, 0.3187

Trichromacy



Original Color

48.4050, 0.4723, 0.4082

Protanomaly

47.7881, 0.4310, 0.4310

Deuteranomaly

48.4203, 0.4533, 0.4240

Tritanomaly

48.1792, 0.4285, 0.3544

Monochromacy



Original Color

48.4050, 0.4723, 0.4082

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.2596, 0.3702, 0.3664

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4050, 0.4723, 0.4082 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, 164, 81)` looks like.

```
.text, #text, p{  
    color:rgb(255, 164, 81)  
}
```

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, 164, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 164, 81) }
```

Border

The CSS property to change the border of an element to Yxy 48.4050, 0.4723, 0.4082 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, 164, 81) }
```

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

```
.border{ border-color:rgb(255, 164, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 164, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 164, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 164, 81);  
box-shadow:4px 4px 4px 4px rgb(255, 164,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4050, 0.4723, 0.4082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 164, 81) }
```

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

```
.background{ background-color: rgb(255,  
164, 81) }
```

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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