

Converting Colors

$Yxy(48.9266, 0.4706, 0.4091)$

Have a look what the booklet for
Yxy(48.9266, 0.4706, 0.4091)
contains.

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Color

Yxy(48.7795, 0.4707, 0.4084)

Conversions

Conversions Part 1

Format	Color
Hex	FFA552
RGB	255, 165, 82
RGB Percent	100%, 65%, 32%
CMY	0.0000, 0.3529, 0.6783
CMYK	0.00, 0.35, 0.68, 0.00
HSL	29°, 100%, 66%
HSV	29°, 68%, 100%
XYZ	56.2206, 48.7795, 14.4404
YIQ	182.4480, 80.2830, -6.7330

Conversions

Conversions Part 2

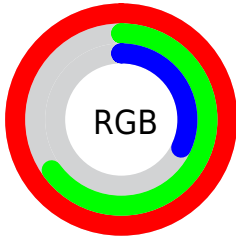
Format	Color
R _Y B	255, 242, 82
Decimal	16754002
CIE Lab	75.31, 26.12, 55.45
CIE LCh	75, 61.290, 64.774
Yxy	48.7795, 0.4707, 0.4084
Android (android.graphics.Color)	4294944082 (0xFFFFA552)
YUV	182.4480, -49.5209, 63.6281
Hunter-Lab	69.8423, 21.4622, 36.6310

Details

The Yxy color **48.7795, 0.4707, 0.4084** 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 **38.5305, 0.2074, 0.2202**, and the grayscale version is **47.2811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.1676, 0.3987, 0.4157**, and **23.2364, 0.5065, 0.4185** is the 20% darker color. If you saturate the color by 10%, you get **43.9213, 0.4988, 0.4122**, and if you desaturate by 10%, it is **54.2813, 0.4419, 0.4004**.

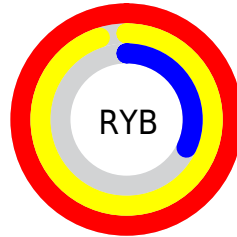
Distribution



Red (100%)

Green (65%)

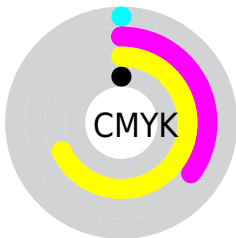
Blue (32%)



Red (100%)

Yellow (95%)

Blue (32%)

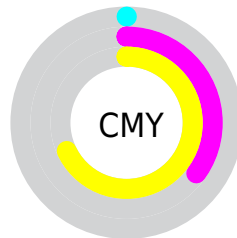


Cyan (0%)

Magenta (35%)

Yellow (68%)

Black (0%)



Cyan (0%)


Magenta (35%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7795, 0.4707, 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 48.7795, 0.4707, 0.4084 by changing the saturation by 10% instead.

 48.7795, 0.4707,
0.4084


 48.7795, 0.4707,
0.4084

381.8736, 0.3951,
0.3766


 34.4446, 0.4873,
0.4133


 88.3639, 0.4447,
0.3991

 23.2354, 0.5070,
0.4177


 114.3821, 0.4344,
0.3949


 14.7674, 0.5303,
0.4205


 145.0636, 0.4256,
0.3911

 8.6563, 0.5600,
0.4215

 180.7928, 0.4179,
0.3876

 4.5177, 0.5890,
0.4110

 221.9540, 0.4111,
0.3845

 1.9672, 0.6177,
0.3823

268.9316, 0.4051,

 0.5883, 0.6798,

0.3816

0.3202

322.1100, 0.3998,
0.3790

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.7795, 0.4707,
0.4084

48.7795, 0.4707,
0.4084

43.9213, 0.4988,
0.4122

54.2813, 0.4419,
0.4004

39.6705, 0.5243,
0.4107

60.4512, 0.4139,
0.3896

35.9899, 0.5454,
0.4036

67.3169, 0.3879,
0.3771

35.2584, 0.5497,
0.4018

74.9031, 0.3644,
0.3640

■ 83.2330, 0.3436,
0.3510

■ 92.3287, 0.3253,
0.3384

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.



48.7795, 0.4741, 0.3476



48.7795, 0.4707, 0.4084



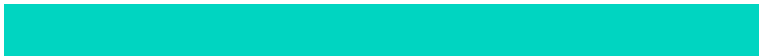
48.7795, 0.4224, 0.4622

Triad

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



48.7795, 0.4707, 0.4084



48.7795, 0.2068, 0.3609



48.7795, 0.2594, 0.2114

Complementary

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



48.7795, 0.4707, 0.4084



38.5305, 0.2074, 0.2202

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.



48.7795, 0.2016, 0.2041



48.7795, 0.4707, 0.4084



48.7795, 0.1743, 0.2764

Square

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



48.7795, 0.4707, 0.4084



48.7795, 0.2697, 0.4475



48.7795, 0.1732, 0.2239



48.7795, 0.3412, 0.2417

Rectangle

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



48.7795, 0.4707, 0.4084



48.7795, 0.3749, 0.4830



48.7795, 0.1732, 0.2239



48.7795, 0.2370, 0.2062

Sweetspot

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



48.7810, 0.4707, 0.4084



81.3624, 0.3479, 0.3538



30.3660, 0.4134, 0.2418



16.9073, 0.3536, 0.3574



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.



48.7810, 0.4707, 0.4084



42.5101, 0.5073, 0.4123



89.7660, 0.4086, 0.4781



19.4248, 0.3282, 0.3404



18.7184, 0.5470, 0.4039



2.0398, 0.5287, 0.4184

Inverse Universe

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



38.5305, 0.2074, 0.2202



31.6091, 0.1926, 0.1953



15.9611, 0.1821, 0.1162



18.9415, 0.2979, 0.3173



12.7929, 0.1790, 0.1642



1.4645, 0.1845, 0.1842

Previews

White Background



This preview shows how the Yxy color 48.7795, 0.4707, 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 48.7795, 0.4707, 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 48.7795, 0.4707, 0.4084

Background



This preview shows how black text looks on a background with the Yxy color 48.7795, 0.4707, 0.4084.



This preview shows how white text looks on a background with the Yxy color 48.7795, 0.4707, 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

48.7795, 0.4707, 0.4084

Protanopia

48.9609, 0.4062, 0.4438

Deuteranopia

48.9977, 0.4421, 0.4325



Tritanopia

48.9208, 0.3961, 0.3187

Trichromacy



Original Color

48.7795, 0.4707, 0.4084

Protanomaly

48.3600, 0.4305, 0.4307

Deuteranomaly

48.9916, 0.4526, 0.4238

Tritanomaly

48.5559, 0.4270, 0.3544

Monochromacy



Original Color

48.7795, 0.4707, 0.4084

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.6813, 0.3689, 0.3664

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7795, 0.4707, 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, 165, 82)` looks like.

```
.text, #text, p{  
    color:rgb(255, 165, 82)  
}
```

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, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 165, 82) }
```

Border

The CSS property to change the border of an element to Yxy 48.7795, 0.4707, 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, 165, 82) }
```

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

```
.border{ border-color:rgb(255, 165, 82) }
```

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, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 165, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 165, 82);  
box-shadow:4px 4px 4px 4px rgb(255, 165,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7795, 0.4707, 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, 165, 82) }
```

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

```
.background{ background-color: rgb(255,  
165, 82) }
```

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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