

Converting Colors

$Yxy(48.7487, 0.4872, 0.4283)$

Have a look what the booklet for
Yxy(48.7487, 0.4872, 0.4283)
contains.

Yxy(48.7715, 0.4872, 0.4283)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.7715, 0.4872, 0.4283)

Conversions

Conversions Part 1

Format	Color
Hex	FFA633
RGB	255, 166, 51
RGB Percent	100%, 65%, 20%
CMY	0.0000, 0.3490, 0.8000
CMYK	0.00, 0.35, 0.80, 0.00
HSL	34°, 100%, 60%
HSV	34°, 80%, 100%
XYZ	55.4786, 48.7715, 9.6222
YIQ	179.5010, 89.9590, -16.8970

Conversions

Conversions Part 2

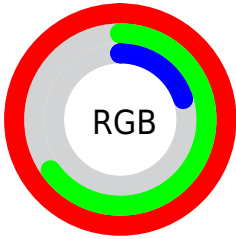
Format	Color
R _Y B	209, 255, 51
Decimal	16754227
CIE Lab	75.31, 24.29, 68.34
CIE LCh	75, 72.532, 70.436
Yxy	48.7715, 0.4872, 0.4283
Android (android.graphics.Color)	4294944307 (0xFFFFA633)
YUV	179.5010, -63.3510, 66.2126
Hunter-Lab	69.8366, 19.5873, 40.7165

Details

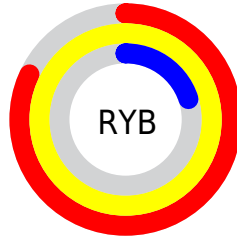
The Yxy color **48.7715, 0.4872, 0.4283** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **26.6830, 0.1873, 0.1736**, and the grayscale version is **45.6692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0135, 0.4150, 0.4407**, and **23.3721, 0.5147, 0.4295** is the 20% darker color. If you saturate the color by 10%, you get **44.7327, 0.5077, 0.4275**, and if you desaturate by 10%, it is **53.2821, 0.4638, 0.4238**.

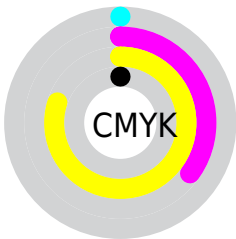
Distribution



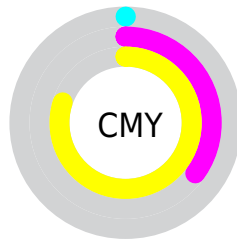
- Red (100%)
- Green (65%)
- Blue (20%)



- Red (82%)
- Yellow (100%)
- Blue (20%)



- Cyan (0%)
- Magenta (35%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (35%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7715, 0.4872, 0.4283 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 48.7715, 0.4872, 0.4283 by changing the saturation by 10% instead.


 48.7715, 0.4872,
0.4283


 48.7715, 0.4872,
0.4283


381.8421, 0.4068,
0.3904

 34.4383, 0.5034,
0.4332


 88.3520, 0.4606,
0.4179

 23.2305, 0.5216,
0.4368


 114.3680, 0.4498,
0.4130


 14.7638, 0.5418,
0.4379


 145.0471, 0.4403,
0.4084

 8.6538, 0.5651,
0.4349

 180.7736, 0.4319,
0.4042

 4.5160, 0.5824,
0.4176

 221.9320, 0.4245,
0.4003

 1.9662, 0.6096,
0.3904

 268.9066, 0.4180,

 0.5877, 0.6696,

0.3967

0.3304

322.0818, 0.4121,
0.3934

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.7715, 0.4872,
0.4283

48.7715, 0.4872,
0.4283

44.7327, 0.5077,
0.4275

53.2821, 0.4638,
0.4238

41.1300, 0.5246,
0.4216

58.2926, 0.4388,
0.4148

41.1289, 0.5246,
0.4216

63.8253, 0.4138,
0.4025

69.9011, 0.3898,
0.3883

76.5392, 0.3674,
0.3732

83.7576, 0.3471,
0.3580

91.5734, 0.3289,
0.3431

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.



48.7715, 0.5061, 0.3591



48.7715, 0.4872, 0.4283



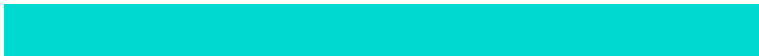
48.7715, 0.4215, 0.4910

Triad

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



48.7715, 0.4872, 0.4283



48.7715, 0.1795, 0.3441



48.7715, 0.2658, 0.1993

Complementary

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



48.7715, 0.4872, 0.4283



26.6830, 0.1873, 0.1736

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.



48.7715, 0.1946, 0.1855



48.7715, 0.4872, 0.4283



48.7715, 0.1514, 0.2506

Square

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



48.7715, 0.4872, 0.4283



48.7715, 0.2443, 0.4556



48.7715, 0.1571, 0.2001



48.7715, 0.3649, 0.2375

Rectangle

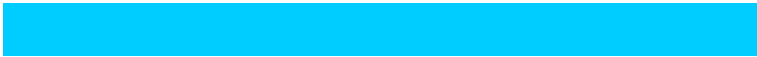
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.7715, 0.4872, 0.4283



48.7715, 0.3639, 0.5137



48.7715, 0.1571, 0.2001



48.7715, 0.2383, 0.1918

Sweetspot

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



48.7709, 0.4872, 0.4283



80.7972, 0.3550, 0.3640



25.6056, 0.4675, 0.2527



16.7470, 0.3623, 0.3695



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.



48.7709, 0.4872, 0.4283



42.5230, 0.5181, 0.4244



91.1357, 0.4065, 0.5010



19.6862, 0.3280, 0.3424



21.7934, 0.5224, 0.4234



2.3395, 0.5074, 0.4353

Inverse Universe

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



26.6830, 0.1873, 0.1736



20.0099, 0.1731, 0.1412



10.5870, 0.1663, 0.0832



18.6816, 0.2979, 0.3152



10.0270, 0.1713, 0.1368



1.1890, 0.1774, 0.1587

Previews

White Background



This preview shows how the Yxy color 48.7715, 0.4872, 0.4283 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 48.7715, 0.4872, 0.4283 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 48.7715, 0.4872, 0.4283

Background



This preview shows how black text looks on a background with the Yxy color 48.7715, 0.4872, 0.4283.



This preview shows how white text looks on a background with the Yxy color 48.7715, 0.4872, 0.4283.

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

48.7715, 0.4872, 0.4283

Protanopia

48.8132, 0.4261, 0.4697

Deuteranopia

48.7483, 0.4619, 0.4506



Tritanopia

48.5783, 0.3965, 0.3177

Trichromacy



Original Color

48.7715, 0.4872, 0.4283

Protanomaly

48.5141, 0.4484, 0.4547

Deuteranomaly

48.5957, 0.4721, 0.4420

Tritanomaly

48.2561, 0.4375, 0.3655

Monochromacy



Original Color

48.7715, 0.4872, 0.4283

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.6188, 0.3790, 0.3817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7715, 0.4872, 0.4283 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, 166, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 51)  
}
```

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, 166, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 51) }
```

Border

The CSS property to change the border of an element to Yxy 48.7715, 0.4872, 0.4283 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, 166, 51) }
```

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

```
.border{ border-color:rgb(255, 166, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 166, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7715, 0.4872, 0.4283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 166, 51) }
```

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

```
.background{ background-color: rgb(255,  
166, 51) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor