

Converting Colors

$Y_{xy}(48.6770, 0.4774, 0.4160)$

Have a look what the booklet for
Yxy(48.6770, 0.4774, 0.4160)
contains.

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Color

Yxy(48.6252, 0.4778, 0.4161)

Conversions

Conversions Part 1

Format	Color
Hex	FFA547
RGB	255, 165, 71
RGB Percent	100%, 65%, 28%
CMY	0.0000, 0.3529, 0.7217
CMYK	0.00, 0.35, 0.72, 0.00
HSL	31°, 100%, 64%
HSV	31°, 72%, 100%
XYZ	55.8354, 48.6252, 12.3988
YIQ	181.1940, 83.8140, -10.1540

Conversions

Conversions Part 2

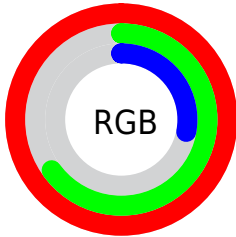
Format	Color
R_{YB}	247, 255, 71
Decimal	16753991
CIE _{Lab}	75.22, 25.58, 60.33
CIE _{LCh}	75, 65.529, 67.027
Yxy	48.6252, 0.4778, 0.4161
Android (android.graphics.Color)	4294944071 (0xFFFFA547)
YUV	181.1940, -54.3256, 64.7279
Hunter-Lab	69.7318, 20.8974, 38.2701

Details

The Yxy color **48.6252, 0.4778, 0.4161** 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 **34.0381, 0.2001, 0.2040**, and the grayscale version is **46.5825, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.9016, 0.4050, 0.4247**, and **23.1719, 0.5135, 0.4256** is the 20% darker color. If you saturate the color by 10%, you get **44.0821, 0.5034, 0.4184**, and if you desaturate by 10%, it is **53.7443, 0.4506, 0.4091**.

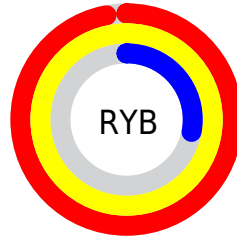
Distribution



Red (100%)

Green (65%)

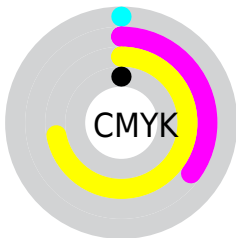
Blue (28%)



Red (97%)

Yellow (100%)

Blue (28%)

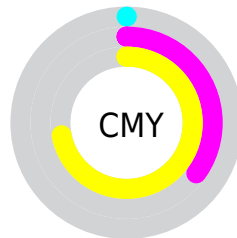


Cyan (0%)

Magenta (35%)

Yellow (72%)

Black (0%)



Cyan (0%)


Magenta (35%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.6252, 0.4778, 0.4161 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 48.6252, 0.4778, 0.4161 by changing the saturation by 10% instead.


 48.6252, 0.4778,
0.4161


 48.6252, 0.4778,
0.4161

381.2649, 0.3997,
0.3818

 34.3223, 0.4945,
0.4210

 88.1345, 0.4513,
0.4063


 23.1413, 0.5138,
0.4252


 114.1097, 0.4408,
0.4018


 14.6979, 0.5361,
0.4273


 144.7444, 0.4316,
0.3977

 8.6076, 0.5683,
0.4303

 180.4231, 0.4236,
0.3939

 4.4861, 0.5873,
0.4127

 221.5301, 0.4165,
0.3904

 1.9490, 0.6157,
0.3843

268.4498, 0.4103,

 0.5776, 0.6785,

0.3873

321.5666, 0.4047,
0.3844

0.3215

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.6252, 0.4778,
0.4161

48.6252, 0.4778,
0.4161

44.0821, 0.5034,
0.4184

53.7443, 0.4506,
0.4091

40.0840, 0.5256,
0.4151

59.4665, 0.4234,
0.3986

37.3031, 0.5403,
0.4092

65.8168, 0.3974,
0.3860

72.8179, 0.3735,
0.3723

80.4916, 0.3519,
0.3583

88.8579, 0.3328,
0.3447

97.9362, 0.3161,
0.3317

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.



48.6252, 0.4868, 0.3521



48.6252, 0.4778, 0.4161



48.6252, 0.4228, 0.4732

Triad

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



48.6252, 0.4778, 0.4161



48.6252, 0.1962, 0.3551



48.6252, 0.2615, 0.2065

Complementary

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



48.6252, 0.4778, 0.4161



34.0381, 0.2001, 0.2040

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.



48.6252, 0.1986, 0.1967



48.6252, 0.4778, 0.4161



48.6252, 0.1651, 0.2666

Square

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



48.6252, 0.4778, 0.4161



48.6252, 0.2602, 0.4513



48.6252, 0.1667, 0.2146



48.6252, 0.3498, 0.2398

Rectangle

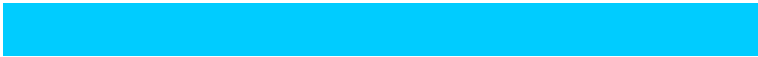
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.6252, 0.4778, 0.4161



48.6252, 0.3713, 0.4948



48.6252, 0.1667, 0.2146



48.6252, 0.2371, 0.2004

Sweetspot

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



48.6252, 0.4778, 0.4161



80.6263, 0.3516, 0.3581



28.4067, 0.4319, 0.2449



16.7968, 0.3572, 0.3619



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.



48.6252, 0.4778, 0.4161



42.0842, 0.5146, 0.4175



93.2346, 0.4087, 0.4876



19.5217, 0.3281, 0.3412



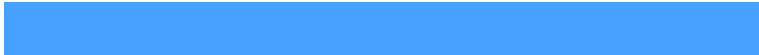
19.7917, 0.5378, 0.4111



2.1458, 0.5207, 0.4248

Inverse Universe

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



34.0381, 0.2001, 0.2040



26.7866, 0.1845, 0.1746



13.0614, 0.1736, 0.0990



18.8445, 0.2979, 0.3165



11.6948, 0.1760, 0.1537



1.3566, 0.1818, 0.1746

Previews

White Background



This preview shows how the Yxy color 48.6252, 0.4778, 0.4161 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 48.6252, 0.4778, 0.4161 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 48.6252, 0.4778, 0.4161

Background



This preview shows how black text looks on a background with the Yxy color 48.6252, 0.4778, 0.4161.



This preview shows how white text looks on a background with the Yxy color 48.6252, 0.4778, 0.4161.

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

48.6252, 0.4778, 0.4161

Protanopia

48.9190, 0.4145, 0.4544

Deuteranopia

48.6238, 0.4503, 0.4392



Tritanopia

48.5409, 0.3975, 0.3187

Trichromacy



Original Color

48.6252, 0.4778, 0.4161

Protanomaly

48.1961, 0.4375, 0.4399

Deuteranomaly

48.4600, 0.4602, 0.4308

Tritanomaly

48.4432, 0.4308, 0.3585

Monochromacy



Original Color

48.6252, 0.4778, 0.4161

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.9929, 0.3728, 0.3715

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6252, 0.4778, 0.4161 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, 71)` looks like.

```
.text, #text, p{  
    color:rgb(255, 165, 71)  
}
```

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, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 165, 71) }
```

Border

The CSS property to change the border of an element to Yxy 48.6252, 0.4778, 0.4161 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, 71) }
```

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

```
.border{ border-color:rgb(255, 165, 71) }
```

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, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 165, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 165, 71);  
box-shadow:4px 4px 4px 4px rgb(255, 165,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6252, 0.4778, 0.4161 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, 71) }
```

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

```
.background{ background-color: rgb(255,  
165, 71) }
```

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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