

Converting Colors

$Y_{xy}(57.7304, 0.5064, 0.4064)$

Have a look what the booklet for
Yxy(57.7304, 0.5064, 0.4064)
contains.

Yxy(49.6469, 0.4784, 0.4227)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.6469, 0.4784, 0.4227)

Conversions

Conversions Part 1

Format	Color
Hex	FFA841
RGB	255, 168, 65
RGB Percent	100%, 66%, 25%
CMY	0.0001, 0.3411, 0.7452
CMYK	0.00, 0.34, 0.75, 0.00
HSL	33°, 100%, 63%
HSV	33°, 75%, 100%
XYZ	56.1890, 49.6469, 11.6160
YIQ	182.2710, 84.9150, -13.5890

Conversions

Conversions Part 2

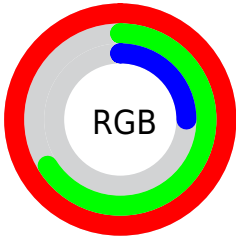
Format	Color
R _Y B	225, 255, 65
Decimal	16754753
CIE Lab	75.85, 23.72, 63.51
CIE LCh	76, 67.796, 69.517
Yxy	49.6469, 0.4784, 0.4227
Android (android.graphics.Color)	4294944833 (0xFFFFA841)
YUV	182.2710, -57.8146, 63.7833
Hunter-Lab	70.4606, 19.0394, 39.5480

Details

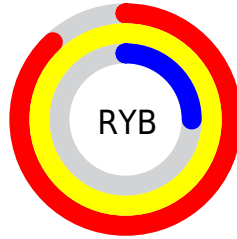
The Yxy color **49.6469, 0.4784, 0.4227** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **30.7695, 0.1952, 0.1910**, and the grayscale version is **47.2209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3673, 0.4064, 0.4317**, and **23.8282, 0.5118, 0.4319** is the 20% darker color. If you saturate the color by 10%, you get **45.3004, 0.5017, 0.4244**, and if you desaturate by 10%, it is **54.5183, 0.4529, 0.4160**.

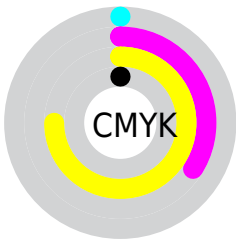
Distribution



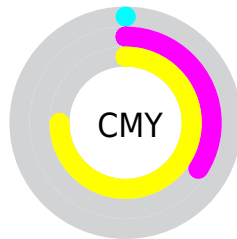
- Red (100%)
- Green (66%)
- Blue (25%)



- Red (88%)
- Yellow (100%)
- Blue (25%)



- Cyan (0%)
- Magenta (34%)
- Yellow (75%)
- Black (0%)





- Cyan (0%)
- Magenta (34%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6469, 0.4784, 0.4227 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 49.6469, 0.4784, 0.4227 by changing the saturation by 10% instead.


 49.6469, 0.4784,
0.4227


 49.6469, 0.4784,
0.4227


385.2835, 0.4011,
0.3859


 35.1329, 0.4945,
0.4280


 89.6515, 0.4525,
0.4122


 23.7653, 0.5130,
0.4325


 115.9109, 0.4420,
0.4073


 15.1596, 0.5338,
0.4349


 146.8542, 0.4329,
0.4029

 8.9315, 0.5626,
0.4374

 182.8658, 0.4249,
0.3988

 4.6965, 0.5793,
0.4207

 224.3302, 0.4179,
0.3951

 2.0703, 0.6052,
0.3948

271.6317, 0.4117,

 0.6479, 0.6580,

0.3918

0.3420

325.1546, 0.4061,
0.3887

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.6469, 0.4784,
0.4227

49.6469, 0.4784,
0.4227

45.3004, 0.5017,
0.4244

54.5183, 0.4529,
0.4160

41.4415, 0.5215,
0.4206


59.9327, 0.4269,
0.4056

39.5165, 0.5310,
0.4166

65.9156, 0.4016,
0.3926

72.4882, 0.3780,
0.3783

 79.6703, 0.3563,
0.3635

 87.4805, 0.3369,
0.3490

 95.9364, 0.3198,
0.3350

99.9951, 0.3127,
0.3290

Harmonies

Analogous

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



49.6469, 0.4928, 0.3573



49.6469, 0.4784, 0.4227



49.6469, 0.4188, 0.4803

Triad

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



49.6469, 0.4784, 0.4227



49.6469, 0.1893, 0.3469



49.6469, 0.2668, 0.2058

Complementary

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



49.6469, 0.4784, 0.4227



30.7695, 0.1952, 0.1910

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.



49.6469, 0.2001, 0.1936



49.6469, 0.4784, 0.4227



49.6469, 0.1608, 0.2588

Square

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



49.6469, 0.4784, 0.4227



49.6469, 0.2521, 0.4481



49.6469, 0.1651, 0.2090



49.6469, 0.3587, 0.2415

Rectangle

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



49.6469, 0.4784, 0.4227



49.6469, 0.3651, 0.5003



49.6469, 0.1651, 0.2090



49.6469, 0.2411, 0.1989

Sweetspot

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



49.6494, 0.4784, 0.4227



81.5990, 0.3512, 0.3598



27.3522, 0.4472, 0.2501



17.0263, 0.3567, 0.3638



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.



49.6494, 0.4784, 0.4227



43.5237, 0.5111, 0.4234



91.9585, 0.4059, 0.4934



19.6196, 0.3281, 0.3419



20.9553, 0.5286, 0.4185



2.2589, 0.5127, 0.4311

Inverse Universe

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



30.7695, 0.1952, 0.1910



23.9446, 0.1802, 0.1612



12.3453, 0.1726, 0.0945



18.7473, 0.2979, 0.3158



10.6734, 0.1732, 0.1435



1.2546, 0.1792, 0.1651

Previews

White Background



This preview shows how the Yxy color 49.6469, 0.4784, 0.4227 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 49.6469, 0.4784, 0.4227 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 49.6469, 0.4784, 0.4227

Background



This preview shows how black text looks on a background with the Yxy color 49.6469, 0.4784, 0.4227.



This preview shows how white text looks on a background with the Yxy color 49.6469, 0.4784, 0.4227.

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

49.6469, 0.4784, 0.4227

Protanopia

49.9639, 0.4187, 0.4609

Deuteranopia

49.6810, 0.4534, 0.4441



Tritanopia

49.6900, 0.3934, 0.3187

Trichromacy



Original Color

49.6469, 0.4784, 0.4227

Protanomaly

49.6339, 0.4407, 0.4470

Deuteranomaly

49.5082, 0.4633, 0.4356

Tritanomaly

49.4769, 0.4301, 0.3626

Monochromacy



Original Color

49.6469, 0.4784, 0.4227

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.8637, 0.3748, 0.3763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6469, 0.4784, 0.4227 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, 168, 65)` looks like.

```
.text, #text, p{  
    color:rgb(255, 168, 65)  
}
```

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, 168, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 168, 65) }
```

Border

The CSS property to change the border of an element to Yxy 49.6469, 0.4784, 0.4227 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, 168, 65) }
```

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

```
.border{ border-color:rgb(255, 168, 65) }
```

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

Here you see how a box with a 4 pixel rgb(255, 168, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 168, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 168, 65);  
box-shadow:4px 4px 4px 4px rgb(255, 168,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6469, 0.4784, 0.4227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 168, 65) }
```

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

```
.background{ background-color: rgb(255,  
168, 65) }
```

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