

Converting Colors

$Y_{xy}(73.7768, 0.5707, 0.3682)$

Have a look what the booklet for
Yxy(73.7768, 0.5707, 0.3682)
contains.

Yxy(41.8163, 0.5048, 0.4049)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.8163, 0.5048, 0.4049)

Conversions

Conversions Part 1

Format	Color
Hex	FF913A
RGB	255, 145, 58
RGB Percent	100%, 57%, 23%
CMY	0.0000, 0.4314, 0.7726
CMYK	0.00, 0.43, 0.77, 0.00
HSL	26°, 100%, 61%
HSV	26°, 77%, 100%
XYZ	52.1335, 41.8163, 9.3258
YIQ	167.9720, 93.4870, -3.7370

Conversions

Conversions Part 2

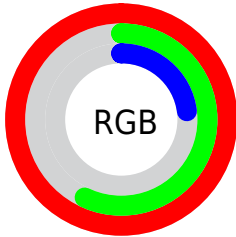
Format	Color
R _Y B	255, 214, 58
Decimal	16748858
CIE Lab	70.74, 35.39, 61.40
CIE LCh	71, 70.869, 60.040
Yxy	41.8163, 0.5048, 0.4049
Android (android.graphics.Color)	4294938938 (0xFFFF913A)
YUV	167.9720, -54.2162, 76.3236
Hunter-Lab	64.6655, 30.7426, 36.7153

Details

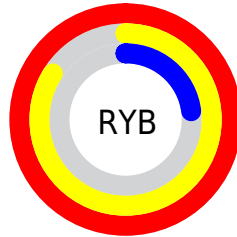
The Yxy color **41.8163, 0.5048, 0.4049** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **36.1244, 0.1991, 0.2128**, and the grayscale version is **39.3787, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.7163, 0.4249, 0.4181**, and **19.0352, 0.5457, 0.4049** is the 20% darker color. If you saturate the color by 10%, you get **37.5349, 0.5323, 0.4029**, and if you desaturate by 10%, it is **46.7698, 0.4746, 0.4017**.

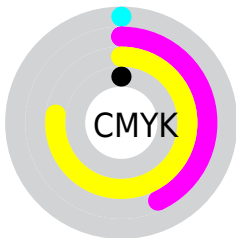
Distribution



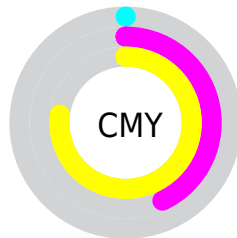
- Red (100%)
- Green (57%)
- Blue (23%)



- Red (100%)
- Yellow (84%)
- Blue (23%)



- Cyan (0%)
- Magenta (43%)
- Yellow (77%)
- Black (0%)





- Cyan (0%)
- Magenta (43%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8163, 0.5048, 0.4049 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 41.8163, 0.5048, 0.4049 by changing the saturation by 10% instead.


 41.8163, 0.5048,
0.4049

 41.8163, 0.5048,
0.4049

353.7209, 0.4120,
0.3783

 28.9575, 0.5248,
0.4070


 77.9215, 0.4731,
0.3985

 19.0487, 0.5480,
0.4071


 101.9367, 0.4605,
0.3951

 11.7054, 0.5752,
0.4035

 130.4395, 0.4496,
0.3918

 6.5434, 0.6070,
0.3930

 163.8142, 0.4401,
0.3887

 3.1783, 0.6351,
0.3649

 202.4454, 0.4317,
0.3858

 1.2255, 0.6797,
0.3203

 246.7172, 0.4244,

 0.0824, 0.9199,

0.3831

0.0801

297.0143, 0.4179,
0.3806

■ 0.0000, 0.0000,
0.0000

■ 41.8163, 0.5048,
0.4049

■ 41.8163, 0.5048,
0.4049

■ 37.5349, 0.5323,
0.4029

■ 46.7698, 0.4746,
0.4017

■ 33.8864, 0.5552,
0.3954


■ 52.4337, 0.4441,
0.3944

■ 32.9842, 0.5609,
0.3928

■ 58.8393, 0.4148,
0.3844

■ 66.0166, 0.3879,
0.3728

■ 73.9934, 0.3639,
0.3606

 82.7960, 0.3428,
0.3486

 92.4492, 0.3244,
0.3370

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.



41.8163, 0.5027, 0.3353



41.8163, 0.5048, 0.4049



41.8163, 0.4506, 0.4742

Triad

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



41.8163, 0.5048, 0.4049



41.8163, 0.1949, 0.3852



41.8163, 0.2353, 0.1886

Complementary

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



41.8163, 0.5048, 0.4049



36.1244, 0.1991, 0.2128

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.



41.8163, 0.1749, 0.1839



41.8163, 0.5048, 0.4049



41.8163, 0.1535, 0.2765

Square

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



41.8163, 0.5048, 0.4049



41.8163, 0.2721, 0.4904



41.8163, 0.1481, 0.2100



41.8163, 0.3290, 0.2193

Rectangle

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



41.8163, 0.5048, 0.4049



41.8163, 0.3958, 0.5094



41.8163, 0.1481, 0.2100



41.8163, 0.2112, 0.1840

Sweetspot

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



41.8155, 0.5048, 0.4049



77.6375, 0.3545, 0.3555



27.1741, 0.4249, 0.2311



15.9535, 0.3624, 0.3599



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.



41.8155, 0.5048, 0.4049



35.3653, 0.5461, 0.3992



84.9902, 0.4207, 0.4850



19.3073, 0.3283, 0.3395



17.5211, 0.5581, 0.3950



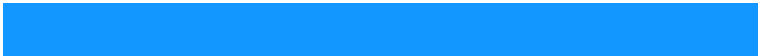
1.9194, 0.5385, 0.4106

Inverse Universe

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



36.1244, 0.1991, 0.2128



29.2459, 0.1860, 0.1860



12.6425, 0.1689, 0.0968



19.0603, 0.2979, 0.3182



14.2442, 0.1826, 0.1773



1.6048, 0.1878, 0.1961

Previews

White Background



This preview shows how the Yxy color 41.8163, 0.5048, 0.4049 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 41.8163, 0.5048, 0.4049 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 41.8163, 0.5048, 0.4049

Background



This preview shows how black text looks on a background with the Yxy color 41.8163, 0.5048, 0.4049.



This preview shows how white text looks on a background with the Yxy color 41.8163, 0.5048, 0.4049.

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

41.8163, 0.5048, 0.4049

Protanopia

42.1348, 0.4181, 0.4591

Deuteranopia

42.0547, 0.4571, 0.4474



Tritanopia

41.8634, 0.4266, 0.3200

Trichromacy



Original Color

41.8163, 0.5048, 0.4049

Protanomaly

41.1522, 0.4507, 0.4383

Deuteranomaly

41.7090, 0.4742, 0.4314

Tritanomaly

41.5476, 0.4611, 0.3557

Monochromacy



Original Color

41.8163, 0.5048, 0.4049

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.9795, 0.3834, 0.3709

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8163, 0.5048, 0.4049 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, 145, 58)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 58)  
}
```

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, 145, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 58) }
```

Border

The CSS property to change the border of an element to Yxy 41.8163, 0.5048, 0.4049 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, 145, 58) }
```

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

```
.border{ border-color:rgb(255, 145, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 145, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 145, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 145, 58);  
box-shadow:4px 4px 4px 4px rgb(255, 145,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8163, 0.5048, 0.4049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 145, 58) }
```

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

```
.background{ background-color: rgb(255,  
145, 58) }
```

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