

# Converting Colors

Yxy(41.4576, 0.5125, 0.4108)

Have a look what the booklet for  
Yxy(41.4576, 0.5125, 0.4108)  
contains.

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# Color

**Yxy(41.3960, 0.5126, 0.4105)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF902D
RGB	255, 144, 45
RGB Percent	100%, 56%, 18%
CMY	0.0000, 0.4353, 0.8233
CMYK	0.00, 0.44, 0.82, 0.00
HSL	28°, 100%, 59%
HSV	28°, 82%, 100%
XYZ	51.6921, 41.3960, 7.7548
YIQ	165.9030, 97.9350, -7.2570

# Conversions

## Conversions Part 2

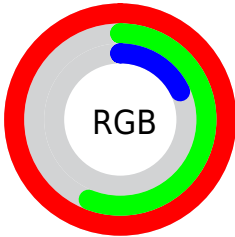
Format	Color
R <sub>Y</sub> B	255, 232, 45
Decimal	16748589
CIE Lab	70.45, 35.49, 66.15
CIE LCh	70, 75.072, 61.787
Yxy	41.3960, 0.5126, 0.4105
Android (android.graphics.Color)	4294938669 (0xFFFF902D)
YUV	165.9030, -59.6052, 78.1381
Hunter-Lab	64.3397, 30.8166, 37.8916

# Details

The Yxy color **41.3960, 0.5126, 0.4105** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **31.5801, 0.1920, 0.1953**, and the grayscale version is **38.3441, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.0077, 0.4333, 0.4271**, and **18.8608, 0.5472, 0.4037** is the 20% darker color. If you saturate the color by 10%, you get **37.4112, 0.5366, 0.4063**, and if you desaturate by 10%, it is **45.9861, 0.4850, 0.4092**.

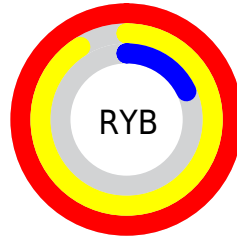
# Distribution



Red (100%)

Green (56%)

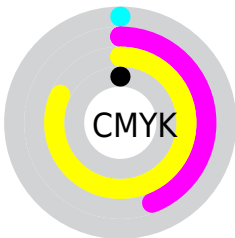
Blue (18%)



Red (100%)

Yellow (91%)

Blue (18%)

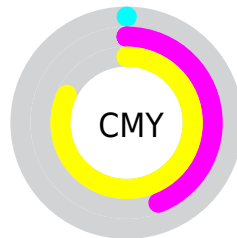


Cyan (0%)

Magenta (44%)

Yellow (82%)

Black (0%)



Cyan (0%)

Magenta (44%)


Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.3960, 0.5126, 0.4105 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 41.3960, 0.5126, 0.4105 by changing the saturation by 10% instead.





 41.3960, 0.5126,  
0.4105

 41.3960, 0.5126,  
0.4105


351.9730, 0.4173,  
0.3829

 28.6286, 0.5324,  
0.4121


 77.2847, 0.4805,  
0.4043


 18.8001, 0.5549,  
0.4113


 101.1748, 0.4676,  
0.4008


 11.5259, 0.5832,  
0.4079


 129.5412, 0.4564,  
0.3974

 6.4217, 0.6080,  
0.3920

 162.7685, 0.4465,  
0.3941

 3.1032, 0.6365,  
0.3635

 201.2409, 0.4379,  
0.3910

 1.1858, 0.6818,  
0.3182

 245.3428, 0.4302,

 0.0501, 0.9482,

0.3881

0.0518

295.4587, 0.4234,  
0.3854

■ 0.0000, 0.0000,  
0.0000

■ 41.3960, 0.5126,  
0.4105

■ 41.3960, 0.5126,  
0.4105

■ 37.4112, 0.5366,  
0.4063

■ 45.9861, 0.4850,  
0.4092


■ 34.7332, 0.5522,  
0.3998


■ 51.2177, 0.4558,  
0.4031


■ 57.1212, 0.4270,  
0.3936

■ 63.7248, 0.3997,  
0.3820

■ 71.0545, 0.3749,  
0.3693

 79.1348, 0.3527,  
0.3563

 87.9888, 0.3333,  
0.3437

 97.6386, 0.3163,  
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.



41.3960, 0.5161, 0.3380



41.3960, 0.5126, 0.4105



41.3960, 0.4514, 0.4840

# Triad

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



41.3960, 0.5126, 0.4105



41.3960, 0.1844, 0.3809



41.3960, 0.2357, 0.1832

# Complementary

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



41.3960, 0.5126, 0.4105



31.5801, 0.1920, 0.1953

# 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.



41.3960, 0.1709, 0.1764



41.3960, 0.5126, 0.4105



41.3960, 0.1444, 0.2669

# Square

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



41.3960, 0.5126, 0.4105



41.3960, 0.2630, 0.4974



41.3960, 0.1413, 0.2008



41.3960, 0.3360, 0.2165



# Rectangle

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



41.3960, 0.5126, 0.4105



41.3960, 0.3927, 0.5216



41.3960, 0.1413, 0.2008



41.3960, 0.2099, 0.1779

# Sweetspot

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



41.3955, 0.5126, 0.4105



76.8997, 0.3584, 0.3598



25.5773, 0.4463, 0.2365



15.8488, 0.3661, 0.3643



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.



41.3955, 0.5126, 0.4105



35.0659, 0.5502, 0.4006



88.5862, 0.4194, 0.4935



19.3987, 0.3282, 0.3402



18.4423, 0.5495, 0.4019



2.0123, 0.5308, 0.4167

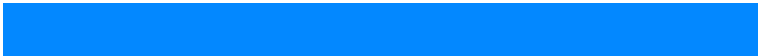


# Inverse Universe

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



31.5801, 0.1920, 0.1953



24.8545, 0.1796, 0.1660



10.2412, 0.1615, 0.0812



18.9678, 0.2979, 0.3175



13.1042, 0.1798, 0.1671



1.4948, 0.1852, 0.1868



# Previews

## White Background



This preview shows how the Yxy color 41.3960, 0.5126, 0.4105 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 41.3960, 0.5126, 0.4105 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 41.3960, 0.5126, 0.4105**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.3960, 0.5126, 0.4105.



This preview shows how white text looks on a background with the Yxy color 41.3960, 0.5126, 0.4105.

# 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

41.3960, 0.5126, 0.4105

### Protanopia

41.6135, 0.4258, 0.4683

### Deuteranopia

41.5837, 0.4643, 0.4542



## Tritanopia

41.2266, 0.4298, 0.3200

# Trichromacy



## Original Color

41.3960, 0.5126, 0.4105

## Protanomaly

40.6699, 0.4588, 0.4462

## Deuteranomaly

41.2493, 0.4821, 0.4383

## Tritanomaly

41.1203, 0.4679, 0.3604

# Monochromacy



## Original Color

41.3960, 0.5126, 0.4105

## Achromatopsia

38.1326, 0.3127, 0.3290

## Achromatomaly

37.8646, 0.3881, 0.3765

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.3960, 0.5126, 0.4105 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, 144, 45)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 45)  
}
```

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, 144, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 45) }
```

## Border

The CSS property to change the border of an element to Yxy 41.3960, 0.5126, 0.4105 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, 144, 45) }
```

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

```
.border{ border-color:rgb(255, 144, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 144, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 45);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
45) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.3960, 0.5126, 0.4105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 144, 45) }
```

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

```
.background{ background-color: rgb(255,  
144, 45) }
```

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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