

# Converting Colors

$Y_{xy}(46.2895, 0.4476, 0.3878)$

Have a look what the booklet for  
Yxy(46.2895, 0.4476, 0.3878)  
contains.

<b>Yxy(46.1232, 0.4476, 0.3869)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(46.1232, 0.4476, 0.3869)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F6A16A
RGB	246, 161, 106
RGB Percent	96%, 63%, 42%
CMY	0.0352, 0.3687, 0.5843
CMYK	0.00, 0.35, 0.57, 0.04
HSL	24°, 89%, 69%
HSV	24°, 57%, 96%
XYZ	53.3594, 46.1232, 19.7296
YIQ	180.1450, 68.3150, 0.9150

# Conversions

## Conversions Part 2

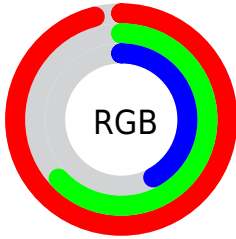
Format	Color
R <sub>Y</sub> B	246, 197, 106
Decimal	16163178
CIE Lab	73.63, 26.16, 41.35
CIE LCh	74, 48.929, 57.686
Yxy	46.1232, 0.4476, 0.3869
Android (android.graphics.Color)	4294353258 (0xFFFF6A16A)
YUV	180.1450, -36.5535, 57.7548
Hunter-Lab	67.9141, 21.3960, 30.3156

# Details

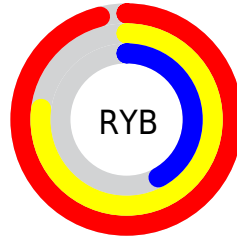
The Yxy color **46.1232, 0.4476, 0.3869** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **47.0020, 0.2261, 0.2578**, and the grayscale version is **45.8984, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.8404, 0.3840, 0.3886**, and **21.6718, 0.4829, 0.3956** is the 20% darker color. If you saturate the color by 10%, you get **40.7712, 0.4803, 0.3932**, and if you desaturate by 10%, it is **52.2507, 0.4167, 0.3780**.

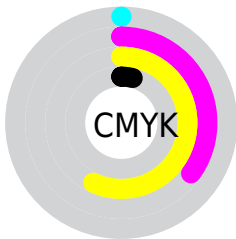
# Distribution



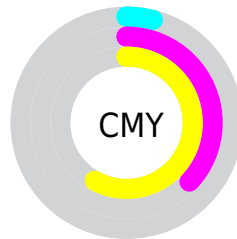
- Red (96%)
- Green (63%)
- Blue (42%)



- Red (96%)
- Yellow (77%)
- Blue (42%)



- Cyan (0%)
- Magenta (35%)
- Yellow (57%)
- Black (4%)




- Cyan (4%)
- Magenta (37%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1232, 0.4476, 0.3869 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 46.1232, 0.4476, 0.3869 by changing the saturation by 10% instead.





 46.1232, 0.4476,  
0.3869


 46.1232, 0.4476,  
0.3869


371.3037, 0.3807,  
0.3625


 32.3431, 0.4635,  
0.3912


 84.4033, 0.4238,  
0.3793


 21.6237, 0.4831,  
0.3956


 109.6721, 0.4147,  
0.3761

 13.5806, 0.5077,  
0.3994


 139.5393, 0.4069,  
0.3732

 7.8296, 0.5388,  
0.4010

 174.3891, 0.4002,  
0.3706

 3.9861, 0.5931,  
0.4069

214.6061, 0.3943,  
0.3683

 1.6658, 0.6244,  
0.3756

260.5746, 0.3892,

 0.4014, 0.7202,

0.3662

0.2798

312.6790, 0.3847,  
0.3643

0.0000, 0.0000,  
0.0000

46.1232, 0.4476,  
0.3869

46.1232, 0.4476,  
0.3869

40.7712, 0.4803,  
0.3932

52.2507, 0.4167,  
0.3780

36.1529, 0.5130,  
0.3956

59.1789, 0.3886,  
0.3677

32.2323, 0.5430,  
0.3929

66.9403, 0.3639,  
0.3568

28.9653, 0.5678,  
0.3849

75.5634, 0.3424,  
0.3460

28.0743, 0.5747,  
0.3819

85.0749, 0.3239,  
0.3357

95.5007, 0.3081,  
0.3261

98.3372, 0.3072,  
0.3290

# Harmonies

## Analogous

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



46.1232, 0.4383, 0.3352



46.1232, 0.4476, 0.3869



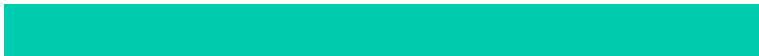
46.1232, 0.4173, 0.4323

# Triad

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



46.1232, 0.4476, 0.3869



46.1232, 0.2362, 0.3730



46.1232, 0.2556, 0.2266

# Complementary

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



46.1232, 0.4476, 0.3869



47.0020, 0.2261, 0.2578

# 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.



46.1232, 0.2118, 0.2263



46.1232, 0.4476, 0.3869



46.1232, 0.2010, 0.3022

# Square

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



46.1232, 0.4476, 0.3869



46.1232, 0.2941, 0.4346



46.1232, 0.1931, 0.2508



46.1232, 0.3200, 0.2481



# Rectangle

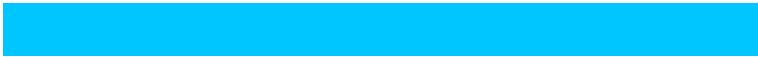
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.1232, 0.4476, 0.3869



46.1232, 0.3813, 0.4513



46.1232, 0.1931, 0.2508



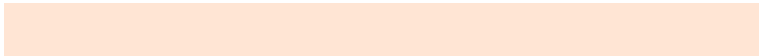
46.1232, 0.2384, 0.2239

# Sweetspot

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



46.1255, 0.4476, 0.3869



81.8534, 0.3426, 0.3462



33.7298, 0.3759, 0.2405



17.1011, 0.3467, 0.3483



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.



46.1255, 0.4476, 0.3869



43.5771, 0.4844, 0.3938



77.0591, 0.4030, 0.4512



17.5499, 0.3284, 0.3383



15.2357, 0.5718, 0.3842



1.5332, 0.5487, 0.4025



# Inverse Universe

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



47.0020, 0.2261, 0.2578



44.4984, 0.2123, 0.2407



23.7254, 0.2061, 0.1653



17.6017, 0.2980, 0.3195



15.3737, 0.1875, 0.1949



1.5510, 0.1926, 0.2134



# Previews

## White Background



This preview shows how the Yxy color 46.1232, 0.4476, 0.3869 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

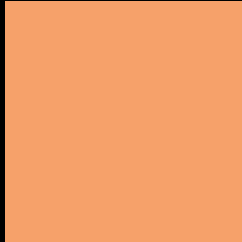
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.1232, 0.4476, 0.3869 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 46.1232, 0.4476, 0.3869**

## Background



This preview shows how black text looks on a background with the Yxy color 46.1232, 0.4476, 0.3869.



This preview shows how white text looks on a background with the Yxy color 46.1232, 0.4476, 0.3869.

# 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

46.1232, 0.4476, 0.3869

### Protanopia

46.2684, 0.3836, 0.4142

### Deuteranopia

46.2386, 0.4188, 0.4102



## Tritanopia

46.1518, 0.3974, 0.3174

# Trichromacy



## Original Color

46.1232, 0.4476, 0.3869

## Protanomaly

45.8669, 0.4060, 0.4046

## Deuteranomaly

46.1984, 0.4291, 0.4020

## Tritanomaly

46.2673, 0.4167, 0.3433

# Monochromacy



## Original Color

46.1232, 0.4476, 0.3869

## Achromatopsia

45.6411, 0.3127, 0.3290

## Achromatomaly

45.0244, 0.3589, 0.3544

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.1232, 0.4476, 0.3869 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(246, 161, 106)` looks like.

```
.text, #text, p{  
    color:rgb(246, 161, 106)  
}
```

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(246, 161, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 161, 106) }
```

## Border

The CSS property to change the border of an element to Yxy 46.1232, 0.4476, 0.3869 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(246, 161, 106) }
```

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

```
.border{ border-color:rgb(246, 161, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 161, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 161, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 161, 106);  
box-shadow:4px 4px 4px 4px rgb(246, 161,  
106) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.1232, 0.4476, 0.3869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 161, 106) }
```

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

```
.background{ background-color: rgb(246,  
161, 106) }
```

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