

# Converting Colors

$Y_{xy}(44.1778, 0.4507, 0.3762)$

Have a look what the booklet for  
Yxy(44.1778, 0.4507, 0.3762)  
contains.

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# **Color**

**Yxy(44.1718, 0.4517, 0.3763)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F89A6D
RGB	248, 154, 109
RGB Percent	97%, 60%, 43%
CMY	0.0275, 0.3960, 0.5727
CMYK	0.00, 0.38, 0.56, 0.03
HSL	19°, 91%, 70%
HSV	19°, 56%, 97%
XYZ	53.0226, 44.1718, 20.1901
YIQ	176.9760, 70.4690, 5.9330

# Conversions

## Conversions Part 2

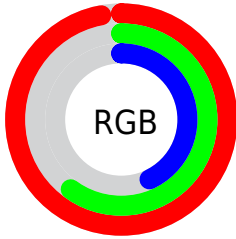
Format	Color
R <sub>Y</sub> B	248, 176, 109
Decimal	16292461
CIE Lab	72.34, 30.81, 38.27
CIE LCh	72, 49.130, 51.159
Yxy	44.1718, 0.4517, 0.3763
Android (android.graphics.Color)	4294482541 (0xFFFF89A6D)
YUV	176.9760, -33.5122, 62.2880
Hunter-Lab	66.4619, 26.0972, 28.5119

# Details

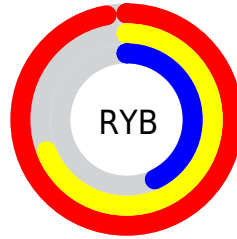
The Yxy color **44.1718, 0.4517, 0.3763** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **52.7090, 0.2299, 0.2718**, and the grayscale version is **44.1051, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.4341, 0.3844, 0.3788**, and **20.5204, 0.4901, 0.3823** is the 20% darker color. If you saturate the color by 10%, you get **38.5602, 0.4875, 0.3813**, and if you desaturate by 10%, it is **50.7112, 0.4184, 0.3689**.

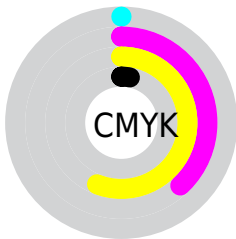
# Distribution



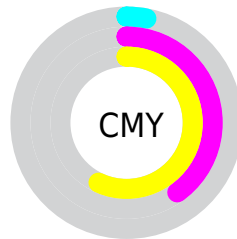
- Red (97%)
- Green (60%)
- Blue (43%)



- Red (97%)
- Yellow (69%)
- Blue (43%)



- Cyan (0%)
- Magenta (38%)
- Yellow (56%)
- Black (3%)




- Cyan (3%)
- Magenta (40%)
- Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.1718, 0.4517, 0.3763 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 44.1718, 0.4517, 0.3763 by changing the saturation by 10% instead.





 44.1718, 0.4517,  
0.3763


 44.1718, 0.4517,  
0.3763


363.4089, 0.3819,  
0.3571

 30.8056, 0.4686,  
0.3794


 81.4762, 0.4266,  
0.3706

 20.4509, 0.4896,  
0.3822


 106.1832, 0.4171,  
0.3680

 12.7232, 0.5164,  
0.3841


 135.4392, 0.4090,  
0.3657

 7.2382, 0.5508,  
0.3832

 169.6287, 0.4020,  
0.3636

 3.6115, 0.6123,  
0.3858

209.1360, 0.3960,  
0.3618

 1.4587, 0.6511,  
0.3489

254.3455, 0.3907,

 0.2594, 0.7954,

0.3601

0.2046

305.6417, 0.3860,  
0.3585

0.0000, 0.0000,  
0.0000

44.1718, 0.4517,  
0.3763

44.1718, 0.4517,  
0.3763

38.5602, 0.4875,  
0.3813

50.7112, 0.4184,  
0.3689

33.8249, 0.5236,  
0.3827

58.2133, 0.3888,  
0.3603

29.9187, 0.5570,  
0.3794

66.7190, 0.3631,  
0.3513

26.7861, 0.5842,  
0.3711

76.2649, 0.3411,  
0.3424

25.7439, 0.5933,  
0.3671

86.8857, 0.3225,  
0.3339

98.4351, 0.3084,  
0.3286

98.6941, 0.3084,  
0.3290

# Harmonies

## Analogous

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



44.1718, 0.4329, 0.3239



44.1718, 0.4517, 0.3763



44.1718, 0.4286, 0.4251

# Triad

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



44.1718, 0.4517, 0.3763



44.1718, 0.2460, 0.3897



44.1718, 0.2429, 0.2229

# Complementary

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



44.1718, 0.4517, 0.3763



52.7090, 0.2299, 0.2718

# 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.



44.1718, 0.2038, 0.2277



44.1718, 0.4517, 0.3763



44.1718, 0.2046, 0.3162

# Square

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



44.1718, 0.4517, 0.3763



44.1718, 0.3082, 0.4455



44.1718, 0.1906, 0.2583



44.1718, 0.3046, 0.2404



# Rectangle

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



44.1718, 0.4517, 0.3763



44.1718, 0.3953, 0.4487



44.1718, 0.1906, 0.2583



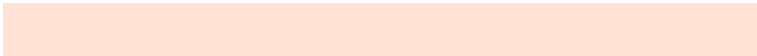
44.1718, 0.2271, 0.2218

# Sweetspot

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



44.1740, 0.4517, 0.3763



80.2239, 0.3431, 0.3432



35.2426, 0.3639, 0.2329



16.7185, 0.3473, 0.3450



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.



44.1740, 0.4517, 0.3763



40.5164, 0.4913, 0.3817



73.5662, 0.4070, 0.4422



18.1435, 0.3286, 0.3367



14.1336, 0.5904, 0.3694



1.4928, 0.5673, 0.3878



# Inverse Universe

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



52.7090, 0.2299, 0.2718



50.2527, 0.2173, 0.2582



27.2021, 0.2102, 0.1797



18.6048, 0.2980, 0.3211



18.9833, 0.1943, 0.2193



1.9506, 0.1983, 0.2340



# Previews

## White Background



This preview shows how the Yxy color 44.1718, 0.4517, 0.3763 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

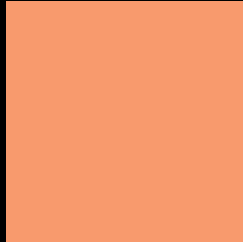
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.1718, 0.4517, 0.3763 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

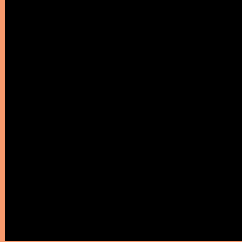
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.1718, 0.4517, 0.3763**

## Background



This preview shows how black text looks on a background with the Yxy color 44.1718, 0.4517, 0.3763.



This preview shows how white text looks on a background with the Yxy color 44.1718, 0.4517, 0.3763.

# 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

44.1718, 0.4517, 0.3763

### Protanopia

44.4863, 0.3770, 0.4073

### Deuteranopia

44.3890, 0.4137, 0.4054



## Tritanopia

44.3785, 0.4079, 0.3176

# Trichromacy



## Original Color

44.1718, 0.4517, 0.3763

## Protanomaly

43.7599, 0.4037, 0.3950

## Deuteranomaly

44.1064, 0.4282, 0.3941

## Tritanomaly

44.2450, 0.4251, 0.3389

# Monochromacy



## Original Color

44.1718, 0.4517, 0.3763

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

43.3394, 0.3600, 0.3508

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.1718, 0.4517, 0.3763 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(248, 154, 109)` looks like.

```
.text, #text, p{  
    color:rgb(248, 154, 109)  
}
```

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(248, 154, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 154, 109) }
```

## Border

The CSS property to change the border of an element to Yxy 44.1718, 0.4517, 0.3763 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(248, 154, 109) }
```

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

```
.border{ border-color:rgb(248, 154, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 154, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 154, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 154, 109);  
box-shadow:4px 4px 4px 4px rgb(248, 154,  
109) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.1718, 0.4517, 0.3763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 154, 109) }
```

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

```
.background{ background-color: rgb(248,  
154, 109) }
```

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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