

# Converting Colors

$Y_{xy}(44.6020, 0.4426, 0.3787)$

Have a look what the booklet for  
Yxy(44.6020, 0.4426, 0.3787)  
contains.

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# Color

**Yxy(44.6783, 0.4416, 0.3786)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F39E70
RGB	243, 158, 112
RGB Percent	95%, 62%, 44%
CMY	0.0471, 0.3804, 0.5606
CMYK	0.00, 0.35, 0.54, 0.05
HSL	21°, 84%, 70%
HSV	21°, 54%, 95%
XYZ	52.1129, 44.6783, 21.2181
YIQ	178.1710, 65.4260, 3.7140

# Conversions

## Conversions Part 2

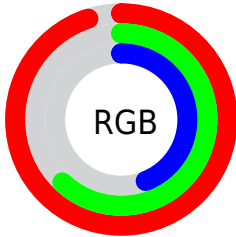
Format	Color
R <sub>Y</sub> B	243, 183, 112
Decimal	15965808
CIE Lab	72.68, 27.00, 36.94
CIE LCh	73, 45.756, 53.844
Yxy	44.6783, 0.4416, 0.3786
Android (android.graphics.Color)	4294155888 (0xFFFF39E70)
YUV	178.1710, -32.6223, 56.8550
Hunter-Lab	66.8418, 22.1934, 27.9684

# Details

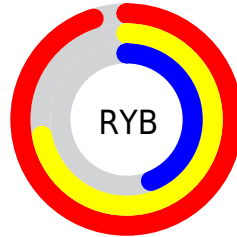
The Yxy color **44.6783, 0.4416, 0.3786** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **49.8603, 0.2317, 0.2697**, and the grayscale version is **44.7693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5288, 0.3807, 0.3796**, and **20.7342, 0.4766, 0.3863** is the 20% darker color. If you saturate the color by 10%, you get **39.1707, 0.4757, 0.3849**, and if you desaturate by 10%, it is **51.0267, 0.4101, 0.3702**.

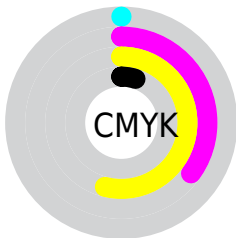
# Distribution



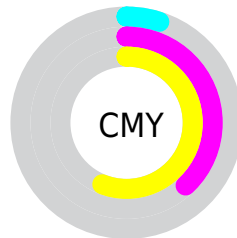
- Red (95%)
- Green (62%)
- Blue (44%)



- Red (95%)
- Yellow (72%)
- Blue (44%)



- Cyan (0%)
- Magenta (35%)
- Yellow (54%)
- Black (5%)




- Cyan (5%)
- Magenta (38%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.6783, 0.4416, 0.3786 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 44.6783, 0.4416, 0.3786 by changing the saturation by 10% instead.





 44.6783, 0.4416,  
0.3786

 44.6783, 0.4416,  
0.3786


365.4691, 0.3769,  
0.3576

 31.2041, 0.4573,  
0.3823


 82.2375, 0.4183,  
0.3720


 20.7543, 0.4769,  
0.3862


 107.0912, 0.4095,  
0.3693

 12.9445, 0.5019,  
0.3896


 136.5069, 0.4020,  
0.3668

 7.3904, 0.5343,  
0.3910

 170.8691, 0.3956,  
0.3645

 3.7074, 0.5889,  
0.3950

210.5619, 0.3900,  
0.3625

 1.5113, 0.6322,  
0.3678

255.9700, 0.3851,

 0.2966, 0.7611,

0.3607

0.2389

307.4776, 0.3808,  
0.3591

0.0000, 0.0000,  
0.0000

44.6783, 0.4416,  
0.3786

44.6783, 0.4416,  
0.3786

39.1707, 0.4757,  
0.3849

51.0267, 0.4101,  
0.3702

34.4592, 0.5107,  
0.3877

58.2446, 0.3820,  
0.3607

30.5043, 0.5438,  
0.3859

66.3673, 0.3576,  
0.3510

27.2592, 0.5718,  
0.3790

75.4263, 0.3367,  
0.3414

25.5970, 0.5860,  
0.3729

85.4511, 0.3189,  
0.3324

 96.2862, 0.3054,  
0.3267

 97.7928, 0.3053,  
0.3290

# Harmonies

## Analogous

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



44.6783, 0.4273, 0.3292



44.6783, 0.4416, 0.3786



44.6783, 0.4176, 0.4228

# Triad

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



44.6783, 0.4416, 0.3786



44.6783, 0.2464, 0.3792



44.6783, 0.2521, 0.2301

# Complementary

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



44.6783, 0.4416, 0.3786



49.8603, 0.2317, 0.2697

# 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.



44.6783, 0.2130, 0.2329



44.6783, 0.4416, 0.3786



44.6783, 0.2094, 0.3120

# Square

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



44.6783, 0.4416, 0.3786



44.6783, 0.3035, 0.4332



44.6783, 0.1983, 0.2599



44.6783, 0.3113, 0.2483



# Rectangle

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



44.6783, 0.4416, 0.3786



44.6783, 0.3855, 0.4425



44.6783, 0.1983, 0.2599



44.6783, 0.2365, 0.2286

# Sweetspot

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



44.6805, 0.4416, 0.3786



81.8999, 0.3409, 0.3434



34.6888, 0.3661, 0.2403



17.0749, 0.3451, 0.3454



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.



44.6805, 0.4416, 0.3786



42.9883, 0.4802, 0.3855



73.1848, 0.4010, 0.4421



17.4340, 0.3285, 0.3374



14.2783, 0.5832, 0.3751



1.4405, 0.5592, 0.3942



# Inverse Universe

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



49.8603, 0.2317, 0.2697



49.2050, 0.2180, 0.2547



26.3348, 0.2134, 0.1808



17.7216, 0.2980, 0.3205



17.1788, 0.1916, 0.2098



1.7023, 0.1962, 0.2264



# Previews

## White Background



This preview shows how the Yxy color 44.6783, 0.4416, 0.3786 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

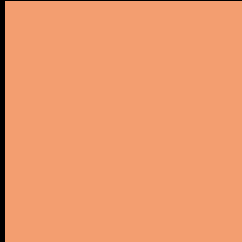
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.6783, 0.4416, 0.3786 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 44.6783, 0.4416, 0.3786**

## Background



This preview shows how black text looks on a background with the Yxy color 44.6783, 0.4416, 0.3786.



This preview shows how white text looks on a background with the Yxy color 44.6783, 0.4416, 0.3786.

# 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

44.6783, 0.4416, 0.3786

### Protanopia

45.0656, 0.3759, 0.4057

### Deuteranopia

44.8289, 0.4105, 0.4032



## Tritanopia

44.5517, 0.3977, 0.3162

# Trichromacy



**Original Color**

44.6783, 0.4416, 0.3786

**Protanomaly**

44.4072, 0.3998, 0.3952

**Deuteranomaly**

44.5670, 0.4223, 0.3936

**Tritanomaly**

44.7176, 0.4153, 0.3402

# Monochromacy



**Original Color**

44.6783, 0.4416, 0.3786

**Achromatopsia**

44.5201, 0.3127, 0.3290

**Achromatomaly**

44.0155, 0.3567, 0.3508

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.6783, 0.4416, 0.3786 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(243, 158, 112)` looks like.

```
.text, #text, p{  
    color:rgb(243, 158, 112)  
}
```

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(243, 158, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 158, 112) }
```

## Border

The CSS property to change the border of an element to Yxy 44.6783, 0.4416, 0.3786 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(243, 158, 112) }
```

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

```
.border{ border-color:rgb(243, 158, 112) }
```

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

Here you see how a box with a 4 pixel rgb(243, 158, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 158, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 158, 112);  
box-shadow:4px 4px 4px 4px rgb(243, 158,  
112) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.6783, 0.4416, 0.3786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 158, 112) }
```

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

```
.background{ background-color: rgb(243,  
158, 112) }
```

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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