

# Converting Colors

$Y_{xy}(44.7487, 0.4576, 0.3893)$

Have a look what the booklet for  
Yxy(44.7487, 0.4576, 0.3893)  
contains.

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# Color

**Yxy(44.7890, 0.4575, 0.3890)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F79D63
RGB	247, 157, 99
RGB Percent	97%, 62%, 39%
CMY	0.0312, 0.3844, 0.6117
CMYK	0.00, 0.36, 0.60, 0.03
HSL	24°, 90%, 68%
HSV	24°, 60%, 97%
XYZ	52.6760, 44.7890, 17.6738
YIQ	177.2980, 72.2580, 1.0420

# Conversions

## Conversions Part 2

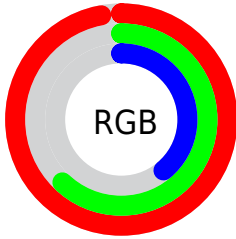
Format	Color
R <sub>Y</sub> B	247, 194, 99
Decimal	16227683
CIE Lab	72.75, 28.15, 43.92
CIE LCh	73, 52.169, 57.346
Yxy	44.7890, 0.4575, 0.3890
Android (android.graphics.Color)	4294417763 (0xFFFF79D63)
YUV	177.2980, -38.6009, 61.1287
Hunter-Lab	66.9246, 23.3784, 31.1896

# Details

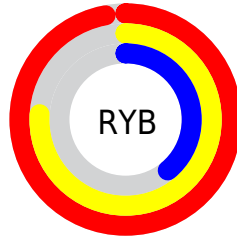
The Yxy color **44.7890, 0.4575, 0.3890** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **45.7870, 0.2222, 0.2534**, and the grayscale version is **44.3111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5813, 0.3906, 0.3918**, and **20.7725, 0.4947, 0.3971** is the 20% darker color. If you saturate the color by 10%, you get **39.6133, 0.4905, 0.3943**, and if you desaturate by 10%, it is **50.7391, 0.4258, 0.3808**.

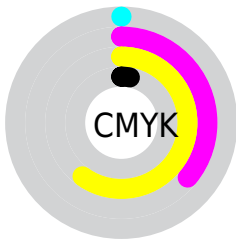
# Distribution



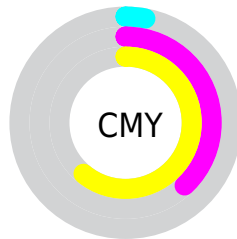
- Red (97%)
- Green (62%)
- Blue (39%)



- Red (97%)
- Yellow (76%)
- Blue (39%)



- Cyan (0%)
- Magenta (36%)
- Yellow (60%)
- Black (3%)




- Cyan (3%)
- Magenta (38%)
- Yellow (61%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.7890, 0.4575, 0.3890 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 44.7890, 0.4575, 0.3890 by changing the saturation by 10% instead.





 44.7890, 0.4575,  
0.3890


 44.7890, 0.4575,  
0.3890


365.9183, 0.3856,  
0.3643

 31.2913, 0.4744,  
0.3931

 82.4037, 0.4320,  
0.3815


 20.8207, 0.4953,  
0.3969


 107.2894, 0.4222,  
0.3783

 12.9930, 0.5212,  
0.3997


 136.7400, 0.4138,  
0.3753

 7.4237, 0.5535,  
0.3994

 171.1397, 0.4066,  
0.3726

 3.7285, 0.6026,  
0.3974

210.8730, 0.4003,  
0.3702

 1.5229, 0.6372,  
0.3628

256.3243, 0.3948,

 0.3047, 0.7636,

0.3681

0.2364

307.8779, 0.3899,  
0.3661

0.0000, 0.0000,  
0.0000

44.7890, 0.4575,  
0.3890

44.7890, 0.4575,  
0.3890

39.6133, 0.4905,  
0.3943

50.7391, 0.4258,  
0.3808

35.1690, 0.5227,  
0.3952

57.4901, 0.3968,  
0.3708

31.4180, 0.5514,  
0.3908

65.0754, 0.3710,  
0.3600

28.3081, 0.5749,  
0.3817

73.5244, 0.3485,  
0.3492

28.2863, 0.5750,  
0.3816

82.8647, 0.3292,  
0.3388

93.1228, 0.3126,  
0.3289

98.5203, 0.3078,  
0.3290

# Harmonies

## Analogous

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



44.7890, 0.4476, 0.3342



44.7890, 0.4575, 0.3890



44.7890, 0.4247, 0.4384

# Triad

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



44.7890, 0.4575, 0.3890



44.7890, 0.2311, 0.3773



44.7890, 0.2508, 0.2199

# Complementary

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



44.7890, 0.4575, 0.3890



45.7870, 0.2222, 0.2534

# 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.



44.7890, 0.2047, 0.2195



44.7890, 0.4575, 0.3890



44.7890, 0.1938, 0.3003

# Square

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



44.7890, 0.4575, 0.3890



44.7890, 0.2929, 0.4443



44.7890, 0.1854, 0.2453



44.7890, 0.3193, 0.2425



# Rectangle

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



44.7890, 0.4575, 0.3890



44.7890, 0.3861, 0.4601



44.7890, 0.1854, 0.2453



44.7890, 0.2325, 0.2171

# Sweetspot

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



44.7913, 0.4575, 0.3890



80.8500, 0.3446, 0.3472



32.4352, 0.3808, 0.2368



16.7065, 0.3507, 0.3503



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.



44.7913, 0.4575, 0.3890



41.4604, 0.4977, 0.3949



77.1435, 0.4073, 0.4563



17.5472, 0.3284, 0.3383



15.2120, 0.5721, 0.3840



1.5309, 0.5490, 0.4023



# Inverse Universe

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



45.7870, 0.2222, 0.2534



42.4759, 0.2080, 0.2348



21.9245, 0.2002, 0.1556



17.6045, 0.2980, 0.3195



15.4141, 0.1876, 0.1952



1.5544, 0.1927, 0.2137



# Previews

## White Background



This preview shows how the Yxy color 44.7890, 0.4575, 0.3890 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 44.7890, 0.4575, 0.3890 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 44.7890, 0.4575, 0.3890**

## Background



This preview shows how black text looks on a background with the Yxy color 44.7890, 0.4575, 0.3890.



This preview shows how white text looks on a background with the Yxy color 44.7890, 0.4575, 0.3890.

# 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

44.7890, 0.4575, 0.3890

### Protanopia

45.0375, 0.3882, 0.4210

### Deuteranopia

45.0304, 0.4239, 0.4160



## Tritanopia

44.5773, 0.4044, 0.3165

# Trichromacy



## Original Color

44.7890, 0.4575, 0.3890

## Protanomaly

44.5724, 0.4137, 0.4090

## Deuteranomaly

44.7935, 0.4361, 0.4060

## Tritanomaly

44.6154, 0.4262, 0.3443

# Monochromacy



## Original Color

44.7890, 0.4575, 0.3890

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

43.4759, 0.3616, 0.3560

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.7890, 0.4575, 0.3890 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(247, 157, 99)` looks like.

```
.text, #text, p{  
    color:rgb(247, 157, 99)  
}
```

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(247, 157, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 157, 99) }
```

## Border

The CSS property to change the border of an element to Yxy 44.7890, 0.4575, 0.3890 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(247, 157, 99) }
```

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

```
.border{ border-color:rgb(247, 157, 99) }
```

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

Here you see how a box with a 4 pixel rgb(247, 157, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 157, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 157, 99);  
box-shadow:4px 4px 4px 4px rgb(247, 157,  
99) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.7890, 0.4575, 0.3890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 157, 99) }
```

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

```
.background{ background-color: rgb(247,  
157, 99) }
```

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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