

# Converting Colors

$Y_{xy}(44.7486, 0.4497, 0.3795)$

Have a look what the booklet for  
Yxy(44.7486, 0.4497, 0.3795)  
contains.

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# Color

**Yxy(44.6338, 0.4503, 0.3795)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F79C6C
RGB	247, 156, 108
RGB Percent	97%, 61%, 42%
CMY	0.0313, 0.3883, 0.5764
CMYK	0.00, 0.37, 0.56, 0.03
HSL	21°, 90%, 70%
HSV	21°, 56%, 97%
XYZ	52.9607, 44.6338, 20.0176
YIQ	177.7370, 69.6440, 4.3640

# Conversions

## Conversions Part 2

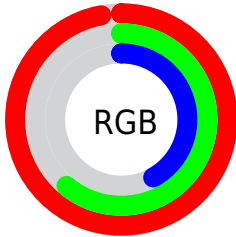
Format	Color
RYB	247, 181, 108
Decimal	16227436
CIELab	72.65, 29.33, 39.12
CIElCh	73, 48.895, 53.142
Yxy	44.6338, 0.4503, 0.3795
Android (android.graphics.Color)	4294417516 (0xFFFF79C6C)
YUV	177.7370, -34.3803, 60.7437
Hunter-Lab	66.8085, 24.5863, 29.0011

# Details

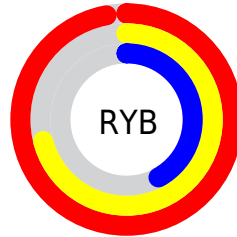
The Yxy color **44.6338, 0.4503, 0.3795** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **50.7803, 0.2288, 0.2677**, and the grayscale version is **44.5342, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3866, 0.3844, 0.3818**, and **20.7812, 0.4878, 0.3864** is the 20% darker color. If you saturate the color by 10%, you get **39.1100, 0.4851, 0.3849**, and if you desaturate by 10%, it is **51.0343, 0.4178, 0.3716**.

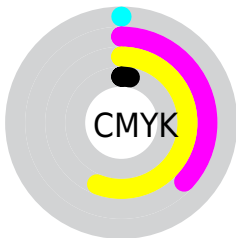
# Distribution



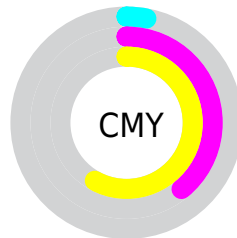
- Red (97%)
- Green (61%)
- Blue (42%)



- Red (97%)
- Yellow (71%)
- Blue (42%)



- Cyan (0%)
- Magenta (37%)
- Yellow (56%)
- Black (3%)




- Cyan (3%)
- Magenta (39%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.6338, 0.4503, 0.3795 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 44.6338, 0.4503, 0.3795 by changing the saturation by 10% instead.





 44.6338, 0.4503,  
0.3795


 44.6338, 0.4503,  
0.3795


365.2884, 0.3814,  
0.3587

 31.1691, 0.4669,  
0.3830


 82.1706, 0.4256,  
0.3732

 20.7276, 0.4875,  
0.3863


 107.0115, 0.4162,  
0.3704

 12.9251, 0.5136,  
0.3888


 136.4132, 0.4082,  
0.3680

 7.3770, 0.5471,  
0.3886

 170.7602, 0.4013,  
0.3657

 3.6989, 0.6072,  
0.3928

210.4368, 0.3954,  
0.3637

 1.5066, 0.6430,  
0.3570

255.8275, 0.3901,

 0.2934, 0.7739,

0.3619

0.2261

307.3165, 0.3855,  
0.3602

0.0000, 0.0000,  
0.0000

44.6338, 0.4503,  
0.3795

44.6338, 0.4503,  
0.3795

39.1100, 0.4851,  
0.3849

51.0343, 0.4178,  
0.3716

34.4147, 0.5203,  
0.3866

58.3429, 0.3886,  
0.3625

30.5048, 0.5527,  
0.3835

66.5977, 0.3632,  
0.3529

27.3289, 0.5792,  
0.3753

75.8323, 0.3414,  
0.3434

26.3143, 0.5878,  
0.3715

86.0787, 0.3229,  
0.3344

97.2872, 0.3079,  
0.3271

98.5188, 0.3078,  
0.3290

# Harmonies

## Analogous

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



44.6338, 0.4344, 0.3274



44.6338, 0.4503, 0.3795



44.6338, 0.4250, 0.4272

# Triad

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



44.6338, 0.4503, 0.3795



44.6338, 0.2431, 0.3845



44.6338, 0.2468, 0.2242

# Complementary

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



44.6338, 0.4503, 0.3795



50.7803, 0.2288, 0.2677

# 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.



44.6338, 0.2063, 0.2274



44.6338, 0.4503, 0.3795



44.6338, 0.2036, 0.3119

# Square

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



44.6338, 0.4503, 0.3795



44.6338, 0.3039, 0.4421



44.6338, 0.1915, 0.2561



44.6338, 0.3093, 0.2429



# Rectangle

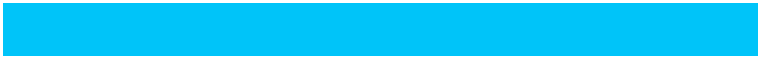
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.6338, 0.4503, 0.3795



44.6338, 0.3909, 0.4494



44.6338, 0.1915, 0.2561



44.6338, 0.2306, 0.2226

# Sweetspot

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



44.6361, 0.4503, 0.3795



80.7206, 0.3429, 0.3441



34.7116, 0.3668, 0.2348



16.8350, 0.3471, 0.3460



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.



44.6361, 0.4503, 0.3795



41.0422, 0.4917, 0.3856



74.0973, 0.4060, 0.4444



17.4175, 0.3285, 0.3372



14.1515, 0.5848, 0.3739



1.4279, 0.5607, 0.3930



# Inverse Universe

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



50.7803, 0.2288, 0.2677



48.0990, 0.2150, 0.2520



26.1907, 0.2092, 0.1761



17.7387, 0.2980, 0.3206



17.4492, 0.1922, 0.2119



1.7248, 0.1967, 0.2283



# Previews

## White Background



This preview shows how the Yxy color 44.6338, 0.4503, 0.3795 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 44.6338, 0.4503, 0.3795 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

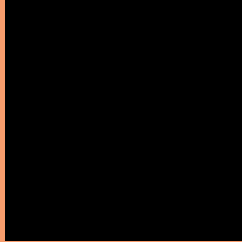
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.6338, 0.4503, 0.3795**

## Background



This preview shows how black text looks on a background with the Yxy color 44.6338, 0.4503, 0.3795.



This preview shows how white text looks on a background with the Yxy color 44.6338, 0.4503, 0.3795.

# 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

44.6338, 0.4503, 0.3795

### Protanopia

44.9939, 0.3784, 0.4094

### Deuteranopia

44.5211, 0.4154, 0.4061



## Tritanopia

44.5422, 0.4055, 0.3175

# Trichromacy



**Original Color**

44.6338, 0.4503, 0.3795

**Protanomaly**

44.4869, 0.4034, 0.3984

**Deuteranomaly**

44.4449, 0.4284, 0.3962

**Tritanomaly**

44.7036, 0.4231, 0.3411

# Monochromacy



**Original Color**

44.6338, 0.4503, 0.3795

**Achromatopsia**

44.5201, 0.3127, 0.3290

**Achromatomaly**

43.7459, 0.3588, 0.3507

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.6338, 0.4503, 0.3795 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, 156, 108)` looks like.

```
.text, #text, p{  
    color:rgb(247, 156, 108)  
}
```

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, 156, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 156, 108) }
```

## Border

The CSS property to change the border of an element to Yxy 44.6338, 0.4503, 0.3795 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, 156, 108) }
```

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

```
.border{ border-color:rgb(247, 156, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 156, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 156, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 156, 108);  
box-shadow:4px 4px 4px 4px rgb(247, 156,  
108) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.6338, 0.4503, 0.3795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 156, 108) }
```

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

```
.background{ background-color: rgb(247,  
156, 108) }
```

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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