

# Converting Colors

$Y_{xy}(34.9466, 0.4532, 0.3211)$

Have a look what the booklet for  
Yxy(34.9466, 0.4532, 0.3211)  
contains.

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# Color

**Yxy(34.9479, 0.4532, 0.3211)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F87880
RGB	248, 120, 128
RGB Percent	97%, 47%, 50%
CMY	0.0274, 0.5294, 0.4981
CMYK	0.00, 0.52, 0.48, 0.03
HSL	356°, 90%, 72%
HSV	356°, 52%, 97%
XYZ	49.3254, 34.9479, 24.5647
YIQ	159.1840, 73.7200, 29.6240

# Conversions

## Conversions Part 2

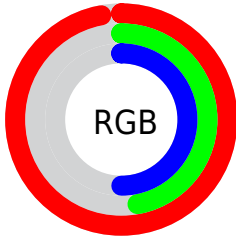
Format	Color
R <sub>Y</sub> B	248, 120, 128
Decimal	16283776
CIE Lab	65.71, 49.61, 19.12
CIE LCh	66, 53.172, 21.078
Yxy	34.9479, 0.4532, 0.3211
Android (android.graphics.Color)	4294473856 (0xFFFF87880)
YUV	159.1840, -15.3737, 77.8916
Hunter-Lab	59.1167, 45.4812, 16.7450

# Details

The Yxy color **34.9479, 0.4532, 0.3211** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **77.4244, 0.2493, 0.3383**, and the grayscale version is **34.8067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.2561, 0.3793, 0.3229**, and **15.0257, 0.4978, 0.3136** is the 20% darker color. If you saturate the color by 10%, you get **29.1932, 0.4980, 0.3205**, and if you desaturate by 10%, it is **42.3910, 0.4138, 0.3224**.

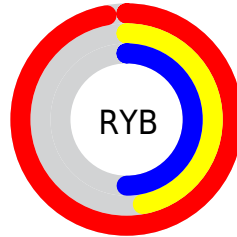
# Distribution



Red (97%)

Green (47%)

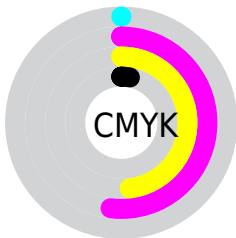
Blue (50%)



Red (97%)

Yellow (47%)

Blue (50%)

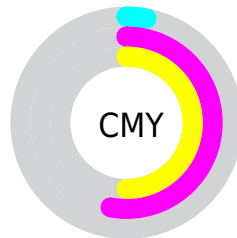


Cyan (0%)

Magenta (52%)

Yellow (48%)

Black (3%)



Cyan (3%)

Magenta (53%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.9479, 0.4532, 0.3211 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 34.9479, 0.4532, 0.3211 by changing the saturation by 10% instead.





 34.9479, 0.4532,  
0.3211


 34.9479, 0.4532,  
0.3211

324.3383, 0.3791,  
0.3283

 23.6227, 0.4726,  
0.3181


 67.4050, 0.4255,  
0.3246

 15.0540, 0.4979,  
0.3136


 89.3058, 0.4153,  
0.3256

 8.8573, 0.5320,  
0.3063


 115.5006, 0.4068,  
0.3264

 4.6482, 0.5799,  
0.2937

146.3738, 0.3996,  
0.3270

 2.0424, 0.6541,  
0.2718

182.3097, 0.3934,  
0.3274

 0.6319, 0.7794,  
0.2206

223.6929, 0.3880,

 0.0000, 1.0000,

0.3278

0.0000

270.9076, 0.3833,  
0.3281

0.0000, 0.0000,  
0.0000

34.9479, 0.4532,  
0.3211

34.9479, 0.4532,  
0.3211

29.1932, 0.4980,  
0.3205

42.3910, 0.4138,  
0.3224

24.9898, 0.5448,  
0.3208

51.6346, 0.3808,  
0.3239

22.1885, 0.5877,  
0.3224

62.7877, 0.3540,  
0.3256

20.6079, 0.6197,  
0.3251

75.9490, 0.3324,  
0.3272

19.9935, 0.6353,  
0.3273

91.2104, 0.3152,  
0.3288

 98.6976, 0.3084,  
0.3290

# Harmonies

## Analogous

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



34.9479, 0.3863, 0.2678



34.9479, 0.4532, 0.3211



34.9479, 0.4741, 0.3801

# Triad

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



34.9479, 0.4532, 0.3211



34.9479, 0.3058, 0.4680



34.9479, 0.1882, 0.2126

# Complementary

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



34.9479, 0.4532, 0.3211



77.4244, 0.2493, 0.3383

# 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.



34.9479, 0.1735, 0.2462



34.9479, 0.4532, 0.3211



34.9479, 0.2347, 0.4010

# Square

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



34.9479, 0.4532, 0.3211



34.9479, 0.3828, 0.4762



34.9479, 0.1885, 0.3127



34.9479, 0.2318, 0.2081



# Rectangle

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



34.9479, 0.4532, 0.3211



34.9479, 0.4597, 0.4190



34.9479, 0.1885, 0.3127



34.9479, 0.1801, 0.2203

# Sweetspot

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



34.9497, 0.4532, 0.3211



75.8786, 0.3392, 0.3267



38.6447, 0.3108, 0.2021



15.6025, 0.3437, 0.3263



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.



34.9497, 0.4532, 0.3211



30.8475, 0.5002, 0.3205



52.1576, 0.4277, 0.3878



17.2428, 0.3284, 0.3276



10.8065, 0.6337, 0.3264



1.0068, 0.6185, 0.3181



# Inverse Universe

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



34.9497, 0.4532, 0.3211



30.8475, 0.5002, 0.3205



48.7072, 0.2319, 0.2587



17.2428, 0.3284, 0.3276



10.8065, 0.6337, 0.3264



1.0068, 0.6185, 0.3181



# Previews

## White Background



This preview shows how the Yxy color 34.9479, 0.4532, 0.3211 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 34.9479, 0.4532, 0.3211 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

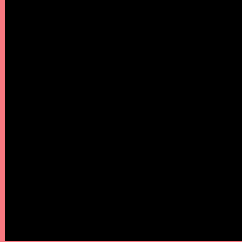
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 34.9479, 0.4532, 0.3211**

## Background



This preview shows how black text looks on a background with the Yxy color 34.9479, 0.4532, 0.3211.



This preview shows how white text looks on a background with the Yxy color 34.9479, 0.4532, 0.3211.

# 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

34.9479, 0.4532, 0.3211

### Protanopia

35.0098, 0.3306, 0.3466

### Deuteranopia

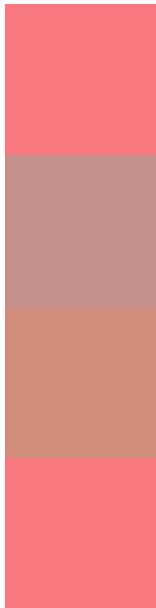
35.2077, 0.3796, 0.3732



## Tritanopia

34.9479, 0.4532, 0.3211

# Trichromacy



**Original Color**

34.9479, 0.4532, 0.3211

**Protanomaly**

33.8800, 0.3730, 0.3359

**Deuteranomaly**

34.5029, 0.4070, 0.3520

**Tritanomaly**

34.9479, 0.4532, 0.3211

# Monochromacy



**Original Color**

34.9479, 0.4532, 0.3211

**Achromatopsia**

34.6704, 0.3127, 0.3290

**Achromatomaly**

33.4653, 0.3590, 0.3251

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.9479, 0.4532, 0.3211 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, 120, 128)` looks like.

```
.text, #text, p{  
    color:rgb(248, 120, 128)  
}
```

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, 120, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 120, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 34.9479, 0.4532, 0.3211 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, 120, 128) }
```

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

```
.border{ border-color:rgb(248, 120, 128) }
```

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

Here you see how a box with a 4 pixel rgb(248, 120, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 120, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 120, 128);  
box-shadow:4px 4px 4px 4px rgb(248, 120,  
128) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.9479, 0.4532, 0.3211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 120, 128) }
```

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

```
.background{ background-color: rgb(248,  
120, 128) }
```

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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