

# Converting Colors

$Y_{xy}(35.7389, 0.4660, 0.3461)$

Have a look what the booklet for  
Yxy(35.7389, 0.4660, 0.3461)  
contains.

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# Color

**Yxy(35.7389, 0.4660, 0.3461)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F57F6F
RGB	245, 127, 111
RGB Percent	96%, 50%, 44%
CMY	0.0391, 0.5020, 0.5647
CMYK	0.00, 0.48, 0.55, 0.04
HSL	7°, 87%, 70%
HSV	7°, 55%, 96%
XYZ	48.1200, 35.7389, 19.4029
YIQ	160.4580, 75.4640, 20.0400

# Conversions

## Conversions Part 2

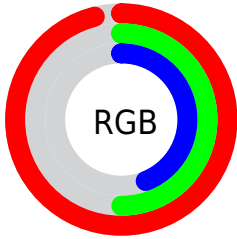
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	245, 129, 111
Decimal	16088943
CIE <sub>Lab</sub>	66.32, 43.68, 29.38
CIE <sub>LCh</sub>	66, 52.641, 33.932
Yxy	35.7389, 0.4660, 0.3461
Android (android.graphics.Color)	4294279023 (0xFFFF57F6F)
YUV	160.4580, -24.3828, 74.1433
Hunter-Lab	59.7820, 39.0604, 22.6042

# Details

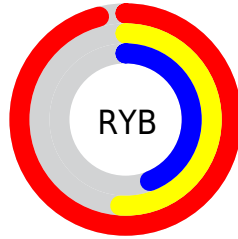
The Yxy color **35.7389, 0.4660, 0.3461** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **66.0303, 0.2391, 0.3092**, and the grayscale version is **35.4656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.3602, 0.3932, 0.3492**, and **15.4468, 0.5133, 0.3431** is the 20% darker color. If you saturate the color by 10%, you get **30.2837, 0.5101, 0.3475**, and if you desaturate by 10%, it is **42.5394, 0.4260, 0.3435**.

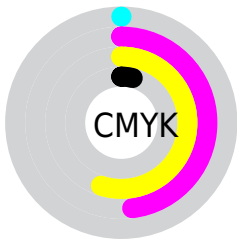
# Distribution



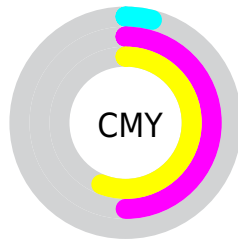
- Red (96%)
- Green (50%)
- Blue (44%)



- Red (96%)
- Yellow (51%)
- Blue (44%)



- Cyan (0%)
- Magenta (48%)
- Yellow (55%)
- Black (4%)




- Cyan (4%)
- Magenta (50%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.7389, 0.4660, 0.3461 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 35.7389, 0.4660, 0.3461 by changing the saturation by 10% instead.





 35.7389, 0.4660,  
0.3461


 35.7389, 0.4660,  
0.3461


327.8179, 0.3857,  
0.3419


 24.2326, 0.4866,  
0.3454

 68.6289, 0.4363,  
0.3458


 15.5063, 0.5131,  
0.3435


 90.7813, 0.4253,  
0.3453

 9.1755, 0.5479,  
0.3389


 117.2513, 0.4160,  
0.3447

 4.8558, 0.5950,  
0.3288

 148.4232, 0.4081,  
0.3441

 2.1629, 0.6829,  
0.3171

184.6815, 0.4013,  
0.3435

 0.6997, 0.7484,  
0.2516


226.4104, 0.3955,


 0.0000, 1.0000,


0.3430

0.0000

273.9944, 0.3903,  
0.3424


 0.0000, 0.0000,  
0.0000


 35.7389, 0.4660,  
0.3461


 35.7389, 0.4660,  
0.3461

 30.2837, 0.5101,  
0.3475


 42.5394, 0.4260,  
0.3435


 26.0788, 0.5547,  
0.3470


 50.7606, 0.3916,  
0.3403


 23.0258, 0.5940,  
0.3441


 60.4792, 0.3630,  
0.3369

 21.0085, 0.6219,  
0.3392

 71.7645, 0.3395,  
0.3336

 20.3058, 0.6317,  
0.3366

 84.6816, 0.3204,  
0.3304

 98.1558, 0.3066,  
0.3290

# Harmonies

## Analogous

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



35.7389, 0.4173, 0.2902



35.7389, 0.4660, 0.3461



35.7389, 0.4648, 0.4046

# Triad

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



35.7389, 0.4660, 0.3461



35.7389, 0.2742, 0.4430



35.7389, 0.2050, 0.2092

# Complementary

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



35.7389, 0.4660, 0.3461



66.0303, 0.2391, 0.3092

# 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.



35.7389, 0.1782, 0.2295



35.7389, 0.4660, 0.3461



35.7389, 0.2128, 0.3621

# Square

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



35.7389, 0.4660, 0.3461



35.7389, 0.3501, 0.4774



35.7389, 0.1803, 0.2812



35.7389, 0.2600, 0.2154



# Rectangle

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



35.7389, 0.4660, 0.3461



35.7389, 0.4388, 0.4406



35.7389, 0.1803, 0.2812



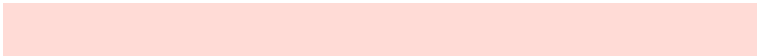
35.7389, 0.1929, 0.2128

# Sweetspot

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



35.7408, 0.4660, 0.3461



76.8233, 0.3424, 0.3340



36.4650, 0.3337, 0.2115



15.8774, 0.3470, 0.3347



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.



35.7408, 0.4660, 0.3461



32.4121, 0.5166, 0.3475



58.9906, 0.4207, 0.4154



16.8008, 0.3291, 0.3319



11.0396, 0.6300, 0.3380



1.0710, 0.6117, 0.3525



# Inverse Universe

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



66.0303, 0.2391, 0.3092



68.6047, 0.2291, 0.3044



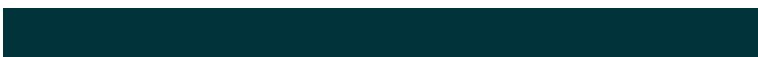
35.9479, 0.2205, 0.2200



18.4005, 0.2981, 0.3261



30.0825, 0.2142, 0.2909



2.7373, 0.2156, 0.2961



# Previews

## White Background



This preview shows how the Yxy color 35.7389, 0.4660, 0.3461 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 35.7389, 0.4660, 0.3461 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 35.7389, 0.4660, 0.3461**

## Background



This preview shows how black text looks on a background with the Yxy color 35.7389, 0.4660, 0.3461.



This preview shows how white text looks on a background with the Yxy color 35.7389, 0.4660, 0.3461.

# 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

35.7389, 0.4660, 0.3461

### Protanopia

35.7668, 0.3560, 0.3798

### Deuteranopia

35.9526, 0.4011, 0.3943



## Tritanopia

35.7016, 0.4430, 0.3198

# Trichromacy



**Original Color**

35.7389, 0.4660, 0.3461

**Protanomaly**

35.0175, 0.3948, 0.3662

**Deuteranomaly**

35.4796, 0.4254, 0.3748

**Tritanomaly**

35.7407, 0.4520, 0.3294

# Monochromacy



**Original Color**

35.7389, 0.4660, 0.3461

**Achromatopsia**

35.1533, 0.3127, 0.3290

**Achromatomaly**

34.2092, 0.3644, 0.3373

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.7389, 0.4660, 0.3461 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(245, 127, 111)` looks like.

```
.text, #text, p{  
    color:rgb(245, 127, 111)  
}
```

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(245, 127, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 127, 111) }
```

## Border

The CSS property to change the border of an element to Yxy 35.7389, 0.4660, 0.3461 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(245, 127, 111) }
```

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

```
.border{ border-color:rgb(245, 127, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 127, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(245, 127, 111); -webkit-box-shadow:4px 4px 4px 4px rgb(245, 127, 111); box-shadow:4px 4px 4px 4px rgb(245, 127, 111) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.7389, 0.4660, 0.3461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 127, 111) }
```

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

```
.background{ background-color: rgb(245,  
127, 111) }
```

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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