

# Converting Colors

$Y_{xy}(33.8098, 0.4630, 0.3327)$

Have a look what the booklet for  
Yxy(33.8098, 0.4630, 0.3327)  
contains.

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# Color

**Yxy(33.9504, 0.4627, 0.3326)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F47875
RGB	244, 120, 117
RGB Percent	96%, 47%, 46%
CMY	0.0432, 0.5293, 0.5412
CMYK	0.00, 0.51, 0.52, 0.04
HSL	1°, 85%, 71%
HSV	1°, 52%, 96%
XYZ	47.2305, 33.9504, 20.8949
YIQ	156.7340, 74.8670, 25.3550

# Conversions

## Conversions Part 2

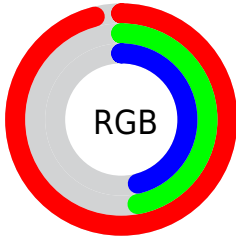
Format	Color
<a href="#">RYB</a>	<a href="#">244, 120, 117</a>
Decimal	<a href="#">16021621</a>
CIELab	<a href="#">64.92, 47.23, 24.16</a>
CIELCh	<a href="#">65, 53.048, 27.096</a>
Yxy	<a href="#">33.9504, 0.4627, 0.3326</a>
Android (android.graphics.Color)	<a href="#">4294211701</a> (0xFFFF47875)
YUV	<a href="#">156.7340, -19.5889, 76.5323</a>
Hunter-Lab	<a href="#">58.2670, 42.7226, 19.5251</a>

# Details

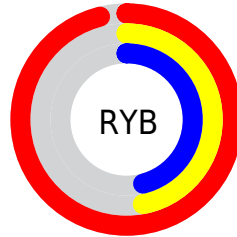
The Yxy color **33.9504, 0.4627, 0.3326** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **73.2008, 0.2448, 0.3252**, and the grayscale version is **33.6585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.7845, 0.3903, 0.3356**, and **14.5113, 0.5097, 0.3271** is the 20% darker color. If you saturate the color by 10%, you get **28.4158, 0.5093, 0.3330**, and if you desaturate by 10%, it is **41.0628, 0.4211, 0.3320**.

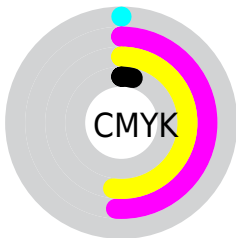
# Distribution



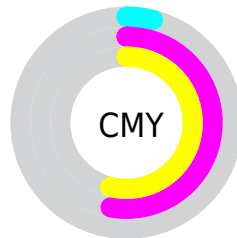
- Red (96%)
- Green (47%)
- Blue (46%)



- Red (96%)
- Yellow (47%)
- Blue (46%)



- Cyan (0%)
- Magenta (51%)
- Yellow (52%)
- Black (4%)




- Cyan (4%)
- Magenta (53%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 33.9504, 0.4627, 0.3326 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 33.9504, 0.4627, 0.3326 by changing the saturation by 10% instead.





 33.9504, 0.4627,  
0.3326

 33.9504, 0.4627,  
0.3326


319.9108, 0.3833,  
0.3347


 22.8555, 0.4835,  
0.3306


 65.8565, 0.4330,  
0.3344

 14.4868, 0.5105,  
0.3270


 87.4365, 0.4221,  
0.3348

 8.4600, 0.5466,  
0.3205


 113.2804, 0.4130,  
0.3350

 4.3907, 0.5966,  
0.3081

143.7725, 0.4052,  
0.3350

 1.8944, 0.6906,  
0.2925

179.2971, 0.3986,  
0.3350

 0.5450, 0.7835,  
0.2165

220.2388, 0.3928,


 0.0000, 1.0000,

0.3349


0.0000

266.9819, 0.3878,  
0.3348


 0.0000, 0.0000,  
0.0000


 33.9504, 0.4627,  
0.3326

 33.9504, 0.4627,  
0.3326

 28.4158, 0.5093,  
0.3330


 41.0628, 0.4211,  
0.3320

 24.3341, 0.5568,  
0.3330


 49.8548, 0.3861,  
0.3313


 21.5704, 0.5985,  
0.3324


 60.4259, 0.3575,  
0.3305

 19.9624, 0.6271,  
0.3315

 72.8664, 0.3344,  
0.3298

 19.3551, 0.6389,  
0.3309

 87.2606, 0.3160,  
0.3291

 97.9693, 0.3060,  
0.3290

# Harmonies

## Analogous

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



33.9504, 0.4029, 0.2773



33.9504, 0.4627, 0.3326



33.9504, 0.4730, 0.3922

# Triad

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



33.9504, 0.4627, 0.3326



33.9504, 0.2901, 0.4598



33.9504, 0.1939, 0.2088

# Complementary

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



33.9504, 0.4627, 0.3326



73.2008, 0.2448, 0.3252

# 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.



33.9504, 0.1733, 0.2362



33.9504, 0.4627, 0.3326



33.9504, 0.2224, 0.3836

# Square

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



33.9504, 0.4627, 0.3326



33.9504, 0.3682, 0.4804



33.9504, 0.1822, 0.2965



33.9504, 0.2435, 0.2095



# Rectangle

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



33.9504, 0.4627, 0.3326



33.9504, 0.4525, 0.4306



33.9504, 0.1822, 0.2965



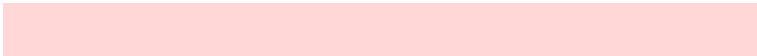
33.9504, 0.1839, 0.2146

# Sweetspot

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



33.9522, 0.4627, 0.3326



74.8124, 0.3430, 0.3301



38.3558, 0.3205, 0.2060



15.4059, 0.3478, 0.3302



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.



33.9522, 0.4627, 0.3326



31.3620, 0.5098, 0.3330



54.2195, 0.4222, 0.3991



16.5455, 0.3293, 0.3296



10.5539, 0.6384, 0.3313



0.9494, 0.6340, 0.3348



# Inverse Universe

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



73.2008, 0.2448, 0.3252



78.9026, 0.2366, 0.3244



42.3034, 0.2284, 0.2437



18.6862, 0.2981, 0.3284



36.8958, 0.2226, 0.3215



3.2638, 0.2229, 0.3225



# Previews

## White Background



This preview shows how the Yxy color 33.9504, 0.4627, 0.3326 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 33.9504, 0.4627, 0.3326 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 33.9504, 0.4627, 0.3326**

## Background



This preview shows how black text looks on a background with the Yxy color 33.9504, 0.4627, 0.3326.



This preview shows how white text looks on a background with the Yxy color 33.9504, 0.4627, 0.3326.

# 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

33.9504, 0.4627, 0.3326

### Protanopia

34.2819, 0.3431, 0.3647

### Deuteranopia

33.9944, 0.3912, 0.3829



## Tritanopia

34.1384, 0.4521, 0.3210

# Trichromacy



## Original Color

33.9504, 0.4627, 0.3326

## Protanomaly

32.9744, 0.3843, 0.3509

## Deuteranomaly

33.3810, 0.4170, 0.3623

## Tritanomaly

34.0362, 0.4570, 0.3252

# Monochromacy



## Original Color

33.9504, 0.4627, 0.3326

## Achromatopsia

33.7164, 0.3127, 0.3290

## Achromatomaly

32.7183, 0.3636, 0.3319

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 33.9504, 0.4627, 0.3326 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(244, 120, 117)` looks like.

```
.text, #text, p{  
    color:rgb(244, 120, 117)  
}
```

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(244, 120, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 120, 117) }
```

## Border

The CSS property to change the border of an element to Yxy 33.9504, 0.4627, 0.3326 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(244, 120, 117) }
```

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

```
.border{ border-color:rgb(244, 120, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 120, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 120, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 120, 117);  
box-shadow:4px 4px 4px 4px rgb(244, 120,  
117) }
```



# Background

The CSS property to change the background color of an element to Yxy 33.9504, 0.4627, 0.3326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 120, 117) }
```

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

```
.background{ background-color: rgb(244,  
120, 117) }
```

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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