

# Converting Colors

$Y_{xy}(34.8889, 0.4691, 0.3215)$

Have a look what the booklet for  
Yxy(34.8889, 0.4691, 0.3215)  
contains.

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# **Color**

**Yxy(34.9515, 0.4687, 0.3215)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF737B
RGB	255, 115, 123
RGB Percent	100%, 45%, 48%
CMY	0.0000, 0.5491, 0.5175
CMYK	0.00, 0.55, 0.52, 0.00
HSL	357°, 100%, 73%
HSV	357°, 55%, 100%
XYZ	50.9542, 34.9515, 22.8082
YIQ	157.7720, 80.8720, 32.1680

# Conversions

## Conversions Part 2

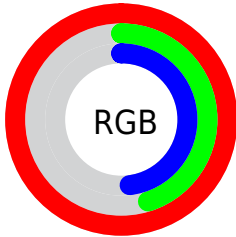
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 115, 123
Decimal	16741243
CIE <sub>Lab</sub>	65.71, 53.98, 22.10
CIE <sub>LCh</sub>	66, 58.326, 22.268
Yxy	34.9515, 0.4687, 0.3215
Android (android.graphics.Color)	4294931323 (0xFFFF737B)
YUV	157.7720, -17.1426, 85.2690
Hunter-Lab	59.1198, 50.3860, 18.5100

# Details

The Yxy color **34.9515, 0.4687, 0.3215** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **81.8765, 0.2462, 0.3382**, and the grayscale version is **34.1312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.4810, 0.3861, 0.3250**, and **15.0636, 0.5178, 0.3139** is the 20% darker color. If you saturate the color by 10%, you get **29.3863, 0.5149, 0.3212**, and if you desaturate by 10%, it is **42.2665, 0.4270, 0.3225**.

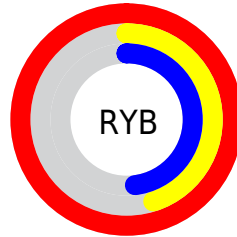
# Distribution



Red (100%)

Green (45%)

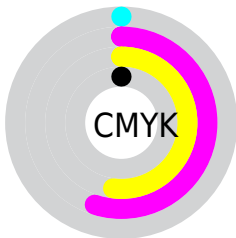
Blue (48%)



Red (100%)

Yellow (45%)

Blue (48%)

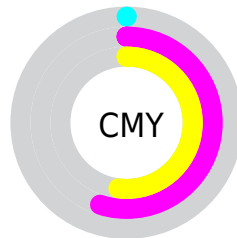


Cyan (0%)

Magenta (55%)

Yellow (52%)

Black (0%)



Cyan (0%)

Magenta (55%)


Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.9515, 0.4687, 0.3215 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 34.9515, 0.4687, 0.3215 by changing the saturation by 10% instead.





 34.9515, 0.4687,  
0.3215


 34.9515, 0.4687,  
0.3215


324.3542, 0.3866,  
0.3293


 23.6255, 0.4900,  
0.3181


 67.4106, 0.4381,  
0.3254

 15.0561, 0.5177,  
0.3129


 89.3126, 0.4268,  
0.3265

 8.8587, 0.5546,  
0.3044

 115.5086, 0.4174,  
0.3274

 4.6492, 0.6054,  
0.2898

146.3831, 0.4094,  
0.3280

 2.0429, 0.6879,  
0.2666

182.3206, 0.4025,  
0.3284

 0.6322, 0.7944,  
0.2056

223.7053, 0.3965,


 0.0000, 1.0000,


0.3288

0.0000

270.9217, 0.3912,  
0.3291

 0.0000, 0.0000,  
0.0000

 34.9515, 0.4687,  
0.3215


 34.9515, 0.4687,  
0.3215

 29.3863, 0.5149,  
0.3212


 42.2665, 0.4270,  
0.3225


 25.4324, 0.5613,  
0.3220


 51.4707, 0.3916,  
0.3238

 22.9157, 0.6012,  
0.3238

 62.6793, 0.3625,  
0.3254

 21.6260, 0.6279,  
0.3266

 76.0009, 0.3392,  
0.3269

 21.2935, 0.6359,  
0.3277

 91.5362, 0.3205,  
0.3283

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



34.9515, 0.3966, 0.2645



34.9515, 0.4687, 0.3215



34.9515, 0.4882, 0.3845

# Triad

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



34.9515, 0.4687, 0.3215



34.9515, 0.3003, 0.4815



34.9515, 0.1797, 0.2023

# Complementary

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



34.9515, 0.4687, 0.3215



81.8765, 0.2462, 0.3382

# 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.



34.9515, 0.1628, 0.2360



34.9515, 0.4687, 0.3215



34.9515, 0.2246, 0.4045

# Square

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



34.9515, 0.4687, 0.3215



34.9515, 0.3839, 0.4907



34.9515, 0.1768, 0.3065



34.9515, 0.2272, 0.1991



# Rectangle

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



34.9515, 0.4687, 0.3215



34.9515, 0.4701, 0.4267



34.9515, 0.1768, 0.3065



34.9515, 0.1708, 0.2098

# Sweetspot

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



34.9486, 0.4687, 0.3215



74.4405, 0.3415, 0.3267



39.0103, 0.3104, 0.1951



15.3189, 0.3460, 0.3264



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.



34.9486, 0.4687, 0.3215



28.8792, 0.5201, 0.3212



53.4140, 0.4378, 0.3911



18.0040, 0.3285, 0.3277



11.1329, 0.6343, 0.3268



1.0897, 0.6209, 0.3194



# Inverse Universe

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



34.9486, 0.4687, 0.3215



28.8792, 0.5201, 0.3212



49.5928, 0.2271, 0.2531



18.0040, 0.3285, 0.3277



11.1329, 0.6343, 0.3268



1.0897, 0.6209, 0.3194



# Previews

## White Background



This preview shows how the Yxy color 34.9515, 0.4687, 0.3215 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

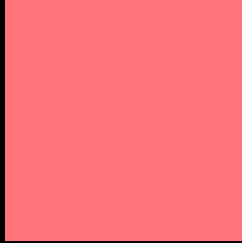
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 34.9515, 0.4687, 0.3215 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

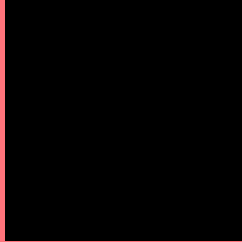
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 34.9515, 0.4687, 0.3215**

## Background



This preview shows how black text looks on a background with the Yxy color 34.9515, 0.4687, 0.3215.



This preview shows how white text looks on a background with the Yxy color 34.9515, 0.4687, 0.3215.

# 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

34.9515, 0.4687, 0.3215

### Protanopia

35.0254, 0.3344, 0.3510

### Deuteranopia

34.8856, 0.3862, 0.3785



## Tritanopia

34.9515, 0.4687, 0.3215

# Trichromacy



## Original Color

34.9515, 0.4687, 0.3215

## Protanomaly

33.5646, 0.3814, 0.3385

## Deuteranomaly

33.9433, 0.4174, 0.3542

## Tritanomaly

34.9515, 0.4687, 0.3215

# Monochromacy



## Original Color

34.9515, 0.4687, 0.3215

## Achromatopsia

34.1914, 0.3127, 0.3290

## Achromatomaly

32.7278, 0.3653, 0.3251

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.9515, 0.4687, 0.3215 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(255, 115, 123)` looks like.

```
.text, #text, p{  
    color:rgb(255, 115, 123)  
}
```

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(255, 115, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 115, 123) }
```

## Border

The CSS property to change the border of an element to Yxy 34.9515, 0.4687, 0.3215 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(255, 115, 123) }
```

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

```
.border{ border-color:rgb(255, 115, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 115, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 115, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 115, 123);  
box-shadow:4px 4px 4px 4px rgb(255, 115,  
123) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.9515, 0.4687, 0.3215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 115, 123) }
```

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

```
.background{ background-color: rgb(255,  
115, 123) }
```

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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