

# Converting Colors

$Y_{xy}(34.1323, 0.4906, 0.3367)$

Have a look what the booklet for  
Yxy(34.1323, 0.4906, 0.3367)  
contains.

<b>Yxy(34.1109, 0.4903, 0.3362)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(34.1109, 0.4903, 0.3362)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF716A
RGB	255, 113, 106
RGB Percent	100%, 44%, 42%
CMY	0.0000, 0.5568, 0.5842
CMYK	0.00, 0.56, 0.58, 0.00
HSL	3°, 100%, 71%
HSV	3°, 58%, 100%
XYZ	49.7459, 34.1109, 17.6033
YIQ	154.6600, 86.8790, 27.9270

# Conversions

## Conversions Part 2

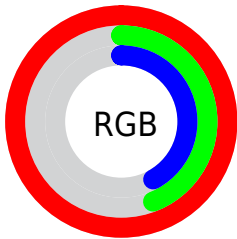
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 113, 106
Decimal	16740714
CIE <sub>Lab</sub>	65.05, 53.59, 30.79
CIE <sub>LCh</sub>	65, 61.802, 29.880
Yxy	34.1109, 0.4903, 0.3362
Android (android.graphics.Color)	4294930794 (0xFFFF716A)
YUV	154.6600, -23.9894, 87.9982
Hunter-Lab	58.4045, 49.8290, 23.0130

# Details

The Yxy color **34.1109, 0.4903, 0.3362** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **77.4216, 0.2384, 0.3206**, and the grayscale version is **32.7022, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.0703, 0.4039, 0.3419**, and **14.6793, 0.5439, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **28.9422, 0.5376, 0.3364**, and if you desaturate by 10%, it is **40.8926, 0.4458, 0.3354**.

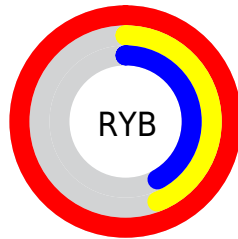
# Distribution



Red (100%)

Green (44%)

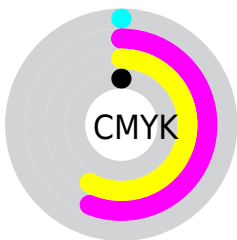
Blue (42%)



Red (100%)

Yellow (44%)

Blue (42%)

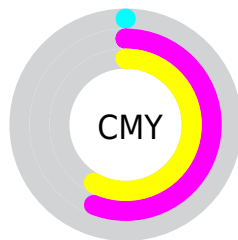


Cyan (0%)

Magenta (56%)

Yellow (58%)

Black (0%)



Cyan (0%)

Magenta (56%)


Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.1109, 0.4903, 0.3362 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 34.1109, 0.4903, 0.3362 by changing the saturation by 10% instead.





 34.1109, 0.4903,  
0.3362


 34.1109, 0.4903,  
0.3362


320.6263, 0.3970,  
0.3384


 22.9788, 0.5142,  
0.3335


 66.1061, 0.4558,  
0.3385


 14.5779, 0.5447,  
0.3286


 87.7380, 0.4429,  
0.3390

 8.5237, 0.5845,  
0.3198


 113.6386, 0.4322,  
0.3391

 4.4318, 0.6374,  
0.3033

 144.1923, 0.4230,  
0.3391

 1.9179, 0.7230,  
0.2770

179.7835, 0.4151,  
0.3390

 0.5591, 0.8035,  
0.1965

220.7967, 0.4083,


 0.0000, 1.0000,


0.3388


0.0000


267.6161, 0.4023,  
0.3386


 0.0000, 0.0000,  
0.0000

 34.1109, 0.4903,  
0.3362

 34.1109, 0.4903,  
0.3362


 28.9422, 0.5376,  
0.3364


 40.8926, 0.4458,  
0.3354


 25.2476, 0.5821,  
0.3357


 49.3999, 0.4070,  
0.3341


 22.8747, 0.6166,  
0.3340

 59.7419, 0.3747,  
0.3327

 21.6323, 0.6358,  
0.3319

 72.0171, 0.3484,  
0.3314

 21.5209, 0.6378,  
0.3318

 86.3171, 0.3273,  
0.3300

99.9988, 0.3127,  
0.3290

# Harmonies

## Analogous

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



34.1109, 0.4255, 0.2746



34.1109, 0.4903, 0.3362



34.1109, 0.4940, 0.4027

# Triad

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



34.1109, 0.4903, 0.3362



34.1109, 0.2763, 0.4784



34.1109, 0.1820, 0.1917

# Complementary

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



34.1109, 0.4903, 0.3362



77.4216, 0.2384, 0.3206

# 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.



34.1109, 0.1565, 0.2176



34.1109, 0.4903, 0.3362



34.1109, 0.2026, 0.3823

# Square

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



34.1109, 0.4903, 0.3362



34.1109, 0.3647, 0.5061



34.1109, 0.1622, 0.2813



34.1109, 0.2397, 0.1958



# Rectangle

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



34.1109, 0.4903, 0.3362



34.1109, 0.4656, 0.4469



34.1109, 0.1622, 0.2813



34.1109, 0.1700, 0.1967

# Sweetspot

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



34.1128, 0.4903, 0.3362



72.5832, 0.3474, 0.3313



38.4751, 0.3237, 0.1956



14.7220, 0.3544, 0.3317



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.



34.1128, 0.4903, 0.3362



28.2663, 0.5450, 0.3364



57.1961, 0.4380, 0.4087



18.1236, 0.3293, 0.3302



11.3036, 0.6368, 0.3326



1.1466, 0.6292, 0.3386



# Inverse Universe

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



77.4216, 0.2384, 0.3206



75.0686, 0.2302, 0.3187



41.1563, 0.2178, 0.2273



20.3266, 0.2980, 0.3278



37.3414, 0.2206, 0.3143



3.6791, 0.2211, 0.3160



# Previews

## White Background



This preview shows how the Yxy color 34.1109, 0.4903, 0.3362 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 34.1109, 0.4903, 0.3362 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 34.1109, 0.4903, 0.3362**

## Background



This preview shows how black text looks on a background with the Yxy color 34.1109, 0.4903, 0.3362.



This preview shows how white text looks on a background with the Yxy color 34.1109, 0.4903, 0.3362.

# 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

34.1109, 0.4903, 0.3362

### Protanopia

34.2592, 0.3538, 0.3779

### Deuteranopia

34.1104, 0.4072, 0.3991



## Tritanopia

34.1803, 0.4754, 0.3226

# Trichromacy



**Original Color**

34.1109, 0.4903, 0.3362

**Protanomaly**

32.9334, 0.4029, 0.3609

**Deuteranomaly**

33.1468, 0.4384, 0.3719

**Tritanomaly**

34.0632, 0.4815, 0.3276

# Monochromacy



**Original Color**

34.1109, 0.4903, 0.3362

**Achromatopsia**

32.7778, 0.3127, 0.3290

**Achromatomaly**

31.6387, 0.3727, 0.3333

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.1109, 0.4903, 0.3362 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, 113, 106)` looks like.

```
.text, #text, p{  
    color:rgb(255, 113, 106)  
}
```

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, 113, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 113, 106) }
```

## Border

The CSS property to change the border of an element to Yxy 34.1109, 0.4903, 0.3362 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, 113, 106) }
```

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

```
.border{ border-color:rgb(255, 113, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 113, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 113, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 113, 106);  
box-shadow:4px 4px 4px 4px rgb(255, 113,  
106) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.1109, 0.4903, 0.3362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 113, 106) }
```

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

```
.background{ background-color: rgb(255,  
113, 106) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor