

Converting Colors

$Y_{xy}(36.1220, 0.5016, 0.3274)$

Have a look what the booklet for
Yxy(36.1220, 0.5016, 0.3274)
contains.

Yxy(33.1109, 0.4890, 0.3276)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.1109, 0.4890, 0.3276)

Conversions

Conversions Part 1

Format	Color
Hex	FF6C6E
RGB	255, 108, 110
RGB Percent	100%, 42%, 43%
CMY	0.0000, 0.5765, 0.5686
CMYK	0.00, 0.58, 0.57, 0.00
HSL	359°, 100%, 71%
HSV	359°, 58%, 100%
XYZ	49.4238, 33.1109, 18.5364
YIQ	152.1810, 86.9700, 31.7860

Conversions

Conversions Part 2

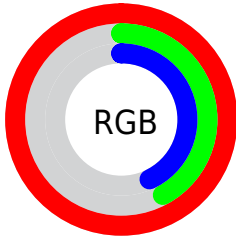
Format	Color
R_{YB}	255, 108, 110
Decimal	16739438
CIE Lab	64.25, 56.16, 27.52
CIE LCh	64, 62.542, 26.103
Yxy	33.1109, 0.4890, 0.3276
Android (android.graphics.Color)	4294929518 (0xFFFF6C6E)
YUV	152.1810, -20.7952, 90.1723
Hunter-Lab	57.5421, 52.6178, 21.1799

Details

The Yxy color **33.1109, 0.4890, 0.3276** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **81.7986, 0.2415, 0.3311**, and the grayscale version is **31.5405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4196, 0.4012, 0.3314**, and **14.0529, 0.5452, 0.3187** is the 20% darker color. If you saturate the color by 10%, you get **28.0216, 0.5372, 0.3277**, and if you desaturate by 10%, it is **39.9220, 0.4439, 0.3277**.

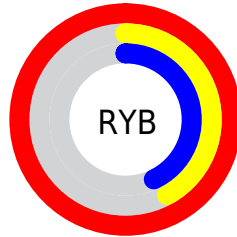
Distribution



Red (100%)

Green (42%)

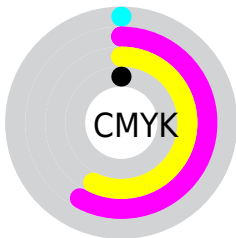
Blue (43%)



Red (100%)

Yellow (42%)

Blue (43%)

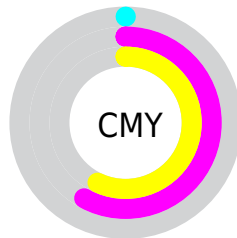


Cyan (0%)

Magenta (58%)

Yellow (57%)

Black (0%)



Cyan (0%)


Magenta (58%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1109, 0.4890, 0.3276 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 33.1109, 0.4890, 0.3276 by changing the saturation by 10% instead.


 33.1109, 0.4890,
0.3276


 33.1109, 0.4890,
0.3276

316.1492, 0.3958,
0.3338

 22.2114, 0.5131,
0.3240


 64.5486, 0.4543,
0.3313

 14.0123, 0.5442,
0.3182


 85.8557, 0.4415,
0.3322

 8.1292, 0.5851,
0.3083


 111.4007, 0.4307,
0.3328

 4.1778, 0.6401,
0.2904

 141.5681, 0.4216,
0.3332

 1.7735, 0.7357,
0.2643

176.7422, 0.4138,
0.3335

 0.4706, 0.8267,
0.1733

217.3075, 0.4070,

 0.0000, 1.0000,

0.3336

0.0000

263.6484, 0.4010,
0.3337

■ 0.0000, 0.0000,
0.0000

■ 33.1109, 0.4890,
0.3276

■ 33.1109, 0.4890,
0.3276

■ 28.0216, 0.5372,
0.3277

■ 39.9220, 0.4439,
0.3277

■ 24.5079, 0.5826,
0.3281

■ 48.6002, 0.4049,
0.3279

■ 22.3842, 0.6175,
0.3288

■ 59.2653, 0.3726,
0.3282

■ 21.4105, 0.6364,
0.3294

■ 72.0297, 0.3465,
0.3285

■ 21.2676, 0.6391,
0.3294

■ 86.9974, 0.3257,
0.3288

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.



33.1109, 0.4162, 0.2663



33.1109, 0.4890, 0.3276



33.1109, 0.5005, 0.3947

Triad

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



33.1109, 0.4890, 0.3276



33.1109, 0.2862, 0.4904



33.1109, 0.1747, 0.1908

Complementary

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



33.1109, 0.4890, 0.3276



81.7986, 0.2415, 0.3311

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.



33.1109, 0.1528, 0.2211



33.1109, 0.4890, 0.3276



33.1109, 0.2081, 0.3976

Square

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



33.1109, 0.4890, 0.3276



33.1109, 0.3763, 0.5077



33.1109, 0.1626, 0.2911



33.1109, 0.2290, 0.1915

Rectangle

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



33.1109, 0.4890, 0.3276



33.1109, 0.4752, 0.4401



33.1109, 0.1626, 0.2911



33.1109, 0.1639, 0.1970

Sweetspot

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



33.1080, 0.4890, 0.3276



72.9379, 0.3450, 0.3285



38.7405, 0.3168, 0.1925



15.0195, 0.3497, 0.3284



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.



33.1080, 0.4890, 0.3276



27.4601, 0.5436, 0.3278



54.5999, 0.4410, 0.4008



17.9911, 0.3292, 0.3287



11.1145, 0.6387, 0.3292



1.0835, 0.6354, 0.3274

Inverse Universe

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



33.1080, 0.4890, 0.3276



27.4601, 0.5436, 0.3278



44.6648, 0.2211, 0.2388



17.9911, 0.3292, 0.3287



11.1145, 0.6387, 0.3292



1.0835, 0.6354, 0.3274

Previews

White Background



This preview shows how the Yxy color 33.1109, 0.4890, 0.3276 looks on a white background.

Color Contrast Check

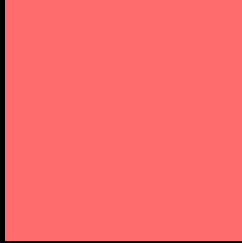
Large Text (above 18pt) WCAG AA × Fail

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 33.1109, 0.4890, 0.3276 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 33.1109, 0.4890, 0.3276

Background



This preview shows how black text looks on a background with the Yxy color 33.1109, 0.4890, 0.3276.



This preview shows how white text looks on a background with the Yxy color 33.1109, 0.4890, 0.3276.

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

33.1109, 0.4890, 0.3276

Protanopia

33.4150, 0.3455, 0.3665

Deuteranopia

33.0390, 0.4003, 0.3926



Tritanopia

33.2229, 0.4828, 0.3228

Trichromacy



Original Color

33.1109, 0.4890, 0.3276

Protanomaly

31.9011, 0.3967, 0.3506

Deuteranomaly

32.0879, 0.4341, 0.3639

Tritanomaly

33.1774, 0.4853, 0.3247

Monochromacy



Original Color

33.1109, 0.4890, 0.3276

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.2333, 0.3719, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1109, 0.4890, 0.3276 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, 108, 110)` looks like.

```
.text, #text, p{  
    color:rgb(255, 108, 110)  
}
```

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, 108, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 108, 110) }
```

Border

The CSS property to change the border of an element to Yxy 33.1109, 0.4890, 0.3276 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, 108, 110) }
```

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

```
.border{ border-color:rgb(255, 108, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 108, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 108, 110); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 108, 110); box-shadow:4px 4px 4px 4px rgb(255, 108, 110) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1109, 0.4890, 0.3276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 108, 110) }
```

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

```
.background{ background-color: rgb(255,  
108, 110) }
```

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