

Converting Colors

Yxy(45.6158, 0.4922, 0.3150)

Have a look what the booklet for
Yxy(45.6158, 0.4922, 0.3150)
contains.

Yxy(35.7318, 0.4528, 0.3113)	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(35.7318, 0.4528, 0.3113)

Conversions

Conversions Part 1

Format	Color
Hex	FF7587
RGB	255, 117, 135
RGB Percent	100%, 46%, 53%
CMY	0.0000, 0.5411, 0.4706
CMYK	0.00, 0.54, 0.47, 0.00
HSL	352°, 100%, 73%
HSV	352°, 54%, 100%
XYZ	51.9735, 35.7318, 27.0772
YIQ	160.3140, 76.4700, 34.8540

Conversions

Conversions Part 2

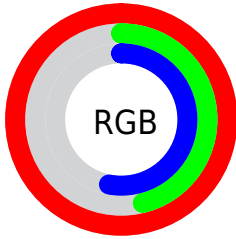
Format	Color
R _Y B	255, 117, 135
Decimal	16741767
CIE Lab	66.31, 54.07, 16.15
CIE LCh	66, 56.426, 16.633
Yxy	35.7318, 0.4528, 0.3113
Android (android.graphics.Color)	4294931847 (0xFFFF7587)
YUV	160.3140, -12.4798, 83.0396
Hunter-Lab	59.7761, 50.5923, 14.9862

Details

The Yxy color **35.7318, 0.4528, 0.3113** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **81.4162, 0.2510, 0.3501**, and the grayscale version is **35.3402, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.7780, 0.3735, 0.3135**, and **15.5865, 0.4962, 0.3015** is the 20% darker color. If you saturate the color by 10%, you get **30.0175, 0.4956, 0.3100**, and if you desaturate by 10%, it is **43.1979, 0.4149, 0.3140**.

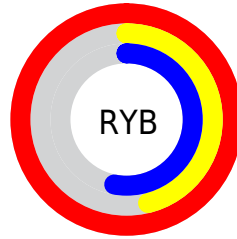
Distribution



Red (100%)

Green (46%)

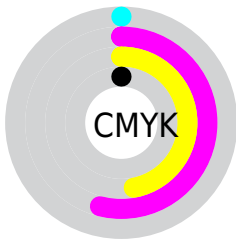
Blue (53%)



Red (100%)

Yellow (46%)

Blue (53%)

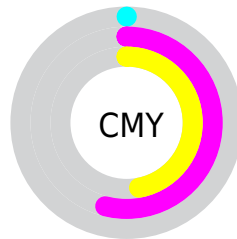


Cyan (0%)

Magenta (54%)

Yellow (47%)

Black (0%)



Cyan (0%)


Magenta (54%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7318, 0.4528, 0.3113 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 35.7318, 0.4528, 0.3113 by changing the saturation by 10% instead.

 35.7318, 0.4528,
0.3113


 35.7318, 0.4528,
0.3113


327.7868, 0.3793,
0.3232

 24.2271, 0.4720,
0.3073


 68.6179, 0.4254,
0.3164

 15.5022, 0.4970,
0.3016


 90.7681, 0.4153,
0.3180

 9.1726, 0.5306,
0.2929


 117.2357, 0.4068,
0.3194

 4.8539, 0.5777,
0.2789

148.4049, 0.3996,
0.3204

 2.1618, 0.6470,
0.2545

184.6602, 0.3935,
0.3213

 0.6991, 0.7868,
0.2132

226.3861, 0.3881,

 0.0000, 1.0000,

0.3220

0.0000

273.9668, 0.3834,
0.3227

■ 0.0000, 0.0000,
0.0000

■ 35.7318, 0.4528,
0.3113

■ 35.7318, 0.4528,
0.3113

■ 30.0175, 0.4956,
0.3100

■ 43.1979, 0.4149,
0.3140

■ 25.9064, 0.5402,
0.3106

■ 52.5372, 0.3830,
0.3173

■ 23.2349, 0.5815,
0.3137

■ 63.8670, 0.3568,
0.3208

■ 21.8011, 0.6134,
0.3191

■ 77.2931, 0.3357,
0.3244

■ 21.3707, 0.6264,
0.3224

■ 92.9140, 0.3187,
0.3277

99.9995, 0.3127,
0.3290

Harmonies

Analogous

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



35.7318, 0.3771, 0.2577



35.7318, 0.4528, 0.3113



35.7318, 0.4825, 0.3720

Triad

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



35.7318, 0.4528, 0.3113



35.7318, 0.3167, 0.4817



35.7318, 0.1787, 0.2104

Complementary

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



35.7318, 0.4528, 0.3113



81.4162, 0.2510, 0.3501

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.



35.7318, 0.1678, 0.2498



35.7318, 0.4528, 0.3113



35.7318, 0.2402, 0.4185

Square

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



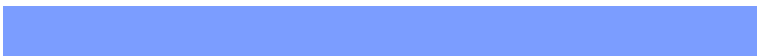
35.7318, 0.4528, 0.3113



35.7318, 0.3964, 0.4797



35.7318, 0.1877, 0.3243



35.7318, 0.2193, 0.2019

Rectangle

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



35.7318, 0.4528, 0.3113



35.7318, 0.4717, 0.4131



35.7318, 0.1877, 0.3243



35.7318, 0.1718, 0.2197

Sweetspot

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



35.7337, 0.4528, 0.3113



74.5962, 0.3393, 0.3237



37.8805, 0.3022, 0.1934



15.3554, 0.3435, 0.3230



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.



35.7337, 0.4528, 0.3113



29.5909, 0.4995, 0.3099



50.4040, 0.4414, 0.3811



18.0256, 0.3274, 0.3259



11.1787, 0.6237, 0.3209



1.0998, 0.5986, 0.3071

Inverse Universe

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



35.7337, 0.4528, 0.3113



29.5909, 0.4995, 0.3099



54.3797, 0.2307, 0.2665



18.0256, 0.3274, 0.3259



11.1787, 0.6237, 0.3209



1.0998, 0.5986, 0.3071

Previews

White Background



This preview shows how the Yxy color 35.7318, 0.4528, 0.3113 looks on a white background.

Color Contrast Check

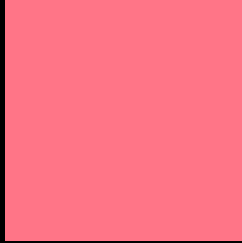
Large Text (above 18pt) WCAG AA × Fail

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 35.7318, 0.4528, 0.3113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

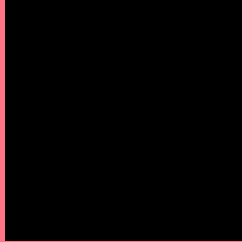
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.7318, 0.4528, 0.3113

Background



This preview shows how black text looks on a background with the Yxy color 35.7318, 0.4528, 0.3113.



This preview shows how white text looks on a background with the Yxy color 35.7318, 0.4528, 0.3113.

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

35.7318, 0.4528, 0.3113

Protanopia

35.9577, 0.3192, 0.3334

Deuteranopia

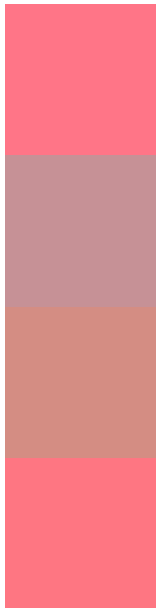
35.7190, 0.3721, 0.3649



Tritanopia

35.5600, 0.4612, 0.3204

Trichromacy



Original Color

35.7318, 0.4528, 0.3113

Protanomaly

34.4586, 0.3643, 0.3225

Deuteranomaly

34.6855, 0.4018, 0.3418

Tritanomaly

35.6394, 0.4575, 0.3173

Monochromacy



Original Color

35.7318, 0.4528, 0.3113

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

33.7830, 0.3603, 0.3198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7318, 0.4528, 0.3113 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, 117, 135)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 135)  
}
```

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, 117, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 135) }
```

Border

The CSS property to change the border of an element to Yxy 35.7318, 0.4528, 0.3113 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, 117, 135) }
```

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

```
.border{ border-color:rgb(255, 117, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 117, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 135);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7318, 0.4528, 0.3113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 135) }
```

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

```
.background{ background-color: rgb(255,  
117, 135) }
```

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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