

Converting Colors

$Y_{xy}(45.1644, 0.4836, 0.3078)$

Have a look what the booklet for
Yxy(45.1644, 0.4836, 0.3078)
contains.

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Color

Yxy(35.4745, 0.4450, 0.3021)

Conversions

Conversions Part 1

Format	Color
Hex	FF738E
RGB	255, 115, 142
RGB Percent	100%, 45%, 56%
CMY	0.0000, 0.5490, 0.4430
CMYK	0.00, 0.55, 0.44, 0.00
HSL	348°, 100%, 73%
HSV	348°, 55%, 100%
XYZ	52.2547, 35.4745, 29.6971
YIQ	159.9380, 74.7730, 38.0770

Conversions

Conversions Part 2

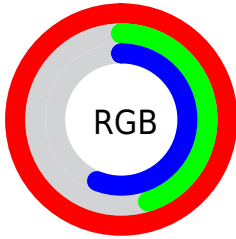
Format	Color
R _Y B	255, 115, 142
Decimal	16741262
CIE Lab	66.12, 55.66, 11.88
CIE LCh	66, 56.909, 12.047
Yxy	35.4745, 0.4450, 0.3021
Android (android.graphics.Color)	4294931342 (0xFFFF738E)
YUV	159.9380, -8.8434, 83.3694
Hunter-Lab	59.5605, 52.3742, 12.1301

Details

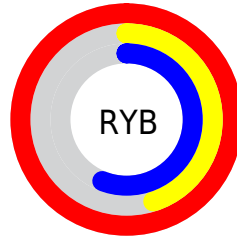
The Yxy color **35.4745, 0.4450, 0.3021** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **80.7638, 0.2542, 0.3613**, and the grayscale version is **35.1418, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.3713, 0.3666, 0.3031**, and **15.3700, 0.4871, 0.2908** is the 20% darker color. If you saturate the color by 10%, you get **29.8806, 0.4849, 0.2998**, and if you desaturate by 10%, it is **42.7942, 0.4097, 0.3062**.

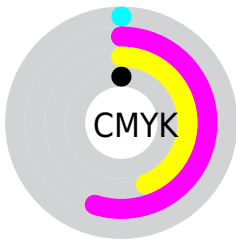
Distribution



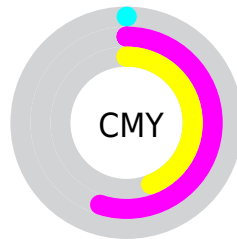
- Red (100%)
- Green (45%)
- Blue (56%)



- Red (100%)
- Yellow (45%)
- Blue (56%)



- Cyan (0%)
- Magenta (55%)
- Yellow (44%)
- Black (0%)



- Cyan (0%)
- Magenta (55%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.4745, 0.4450, 0.3021 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 35.4745, 0.4450, 0.3021 by changing the saturation by 10% instead.


 35.4745, 0.4450,
0.3021


 35.4745, 0.4450,
0.3021


326.6578, 0.3756,
0.3181

 24.0286, 0.4632,
0.2973


 68.2202, 0.4191,
0.3085

 15.3549, 0.4869,
0.2907


 90.2888, 0.4096,
0.3107

 9.0688, 0.5189,
0.2811


 116.6671, 0.4016,
0.3125

 4.7861, 0.5643,
0.2662

147.7395, 0.3948,
0.3140

 2.1223, 0.6316,
0.2411

183.8904, 0.3890,
0.3153

 0.6771, 0.7945,
0.2055

225.5041, 0.3839,

 0.0000, 1.0000,

0.3163


0.0000


272.9651, 0.3795,
0.3173


 0.0000, 0.0000,
0.0000


 35.4745, 0.4450,
0.3021


 35.4745, 0.4450,
0.3021

 29.8806, 0.4849,
0.2998


 42.7942, 0.4097,
0.3062


 25.8643, 0.5271,
0.3002


 51.9606, 0.3799,
0.3112


 23.2621, 0.5673,
0.3040

 63.0902, 0.3554,
0.3165

 21.8710, 0.6002,
0.3111

 76.2881, 0.3355,
0.3217

 21.4833, 0.6133,
0.3152

 91.6522, 0.3194,
0.3267

99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



35.4745, 0.3640, 0.2498



35.4745, 0.4450, 0.3021



35.4745, 0.4834, 0.3626

Triad

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



35.4745, 0.4450, 0.3021



35.4745, 0.3292, 0.4875



35.4745, 0.1739, 0.2131

Complementary

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



35.4745, 0.4450, 0.3021



80.7638, 0.2542, 0.3613

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.



35.4745, 0.1675, 0.2581



35.4745, 0.4450, 0.3021



35.4745, 0.2501, 0.4329

Square

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



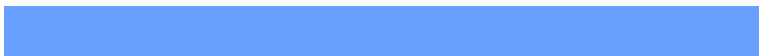
35.4745, 0.4450, 0.3021



35.4745, 0.4083, 0.4759



35.4745, 0.1925, 0.3384



35.4745, 0.2102, 0.2003

Rectangle

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



35.4745, 0.4450, 0.3021



35.4745, 0.4777, 0.4042



35.4745, 0.1925, 0.3384



35.4745, 0.1684, 0.2242

Sweetspot

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



35.4764, 0.4450, 0.3021



74.7325, 0.3375, 0.3211



35.8134, 0.2936, 0.1882



15.3875, 0.3413, 0.3201



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.



35.4764, 0.4450, 0.3021



29.3645, 0.4895, 0.2997



46.6126, 0.4502, 0.3722



18.0444, 0.3264, 0.3244



11.2419, 0.6098, 0.3133



1.1089, 0.5803, 0.2971

Inverse Universe

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



35.4764, 0.4450, 0.3021



29.3645, 0.4895, 0.2997



58.4538, 0.2322, 0.2775



18.0444, 0.3264, 0.3244



11.2419, 0.6098, 0.3133



1.1089, 0.5803, 0.2971

Previews

White Background



This preview shows how the Yxy color 35.4745, 0.4450, 0.3021 looks on a white background.

Color Contrast Check

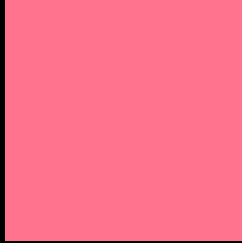
Large Text (above 18pt) WCAG AA × Fail

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 35.4745, 0.4450, 0.3021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

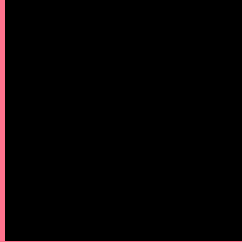
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.4745, 0.4450, 0.3021

Background



This preview shows how black text looks on a background with the Yxy color 35.4745, 0.4450, 0.3021.



This preview shows how white text looks on a background with the Yxy color 35.4745, 0.4450, 0.3021.

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

35.4745, 0.4450, 0.3021

Protanopia

35.5762, 0.3093, 0.3203

Deuteranopia

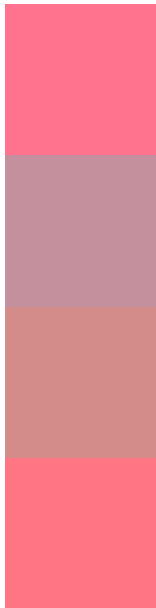
35.6594, 0.3629, 0.3554



Tritanopia

35.5341, 0.4624, 0.3214

Trichromacy



Original Color

35.4745, 0.4450, 0.3021

Protanomaly

34.1166, 0.3550, 0.3119

Deuteranomaly

34.4400, 0.3933, 0.3318

Tritanomaly

35.4594, 0.4556, 0.3143

Monochromacy



Original Color

35.4745, 0.4450, 0.3021

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

33.8485, 0.3582, 0.3171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4745, 0.4450, 0.3021 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, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 115, 142)  
}
```

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, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 115, 142) }
```

Border

The CSS property to change the border of an element to Yxy 35.4745, 0.4450, 0.3021 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, 142) }
```

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

```
.border{ border-color:rgb(255, 115, 142) }
```

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, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 115, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 115, 142);  
box-shadow:4px 4px 4px 4px rgb(255, 115,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4745, 0.4450, 0.3021 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, 142) }
```

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

```
.background{ background-color: rgb(255,  
115, 142) }
```

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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