

Converting Colors

$Y_{xy}(35.8213, 0.4386, 0.2980)$

Have a look what the booklet for
Yxy(35.8213, 0.4386, 0.2980)
contains.

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Color

Yxy(35.8574, 0.4383, 0.2979)

Conversions

Conversions Part 1

Format	Color
Hex	FF7493
RGB	255, 116, 147
RGB Percent	100%, 45%, 58%
CMY	0.0000, 0.5451, 0.4234
CMYK	0.00, 0.55, 0.42, 0.00
HSL	347°, 100%, 73%
HSV	347°, 55%, 100%
XYZ	52.7570, 35.8574, 31.7529
YIQ	161.0950, 72.8930, 39.1090

Conversions

Conversions Part 2

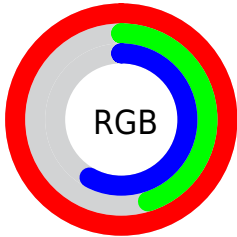
Format	Color
RYB	255, 116, 147
Decimal	16741523
CIELab	66.41, 55.69, 9.46
CIELCh	66, 56.492, 9.639
Yxy	35.8574, 0.4383, 0.2979
Android (android.graphics.Color)	4294931603 (0xFFFF7493)
YUV	161.0950, -6.9488, 82.3547
Hunter-Lab	59.8810, 52.4719, 10.4773

Details

The Yxy color **35.8574, 0.4383, 0.2979** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **80.6129, 0.2563, 0.3662**, and the grayscale version is **35.6933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.9821, 0.3618, 0.2990**, and **15.5641, 0.4772, 0.2854** is the 20% darker color. If you saturate the color by 10%, you get **30.1938, 0.4765, 0.2949**, and if you desaturate by 10%, it is **43.2395, 0.4047, 0.3028**.

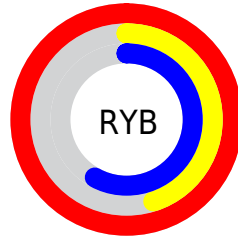
Distribution



Red (100%)

Green (45%)

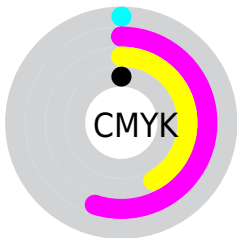
Blue (58%)



Red (100%)

Yellow (45%)

Blue (58%)

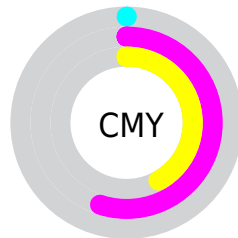


Cyan (0%)

Magenta (55%)

Yellow (42%)

Black (0%)



Cyan (0%)


Magenta (55%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8574, 0.4383, 0.2979 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 35.8574, 0.4383, 0.2979 by changing the saturation by 10% instead.

 35.8574, 0.4383,
0.2979


 35.8574, 0.4383,
0.2979


328.3368, 0.3726,
0.3156

 24.3241, 0.4555,
0.2928


 68.8119, 0.4138,
0.3048

 15.5742, 0.4779,
0.2859


 91.0019, 0.4048,
0.3073

 9.2234, 0.5082,
0.2761


 117.5129, 0.3972,
0.3093

 4.8872, 0.5512,
0.2611

148.7293, 0.3908,
0.3110

 2.1812, 0.6156,
0.2367

185.0355, 0.3853,
0.3124

 0.7097, 0.7658,
0.2024

226.8159, 0.3805,

 0.0000, 1.0000,

0.3136

0.0000

274.4549, 0.3763,
0.3147

■ 0.0000, 0.0000,
0.0000

■ 35.8574, 0.4383,
0.2979

■ 35.8574, 0.4383,
0.2979

■ 30.1938, 0.4765,
0.2949

■ 43.2395, 0.4047,
0.3028

■ 26.1100, 0.5172,
0.2948

■ 52.4676, 0.3764,
0.3086

■ 23.4416, 0.5568,
0.2985

■ 63.6546, 0.3530,
0.3147

■ 21.9887, 0.5905,
0.3060

■ 76.9047, 0.3340,
0.3208

■ 21.5546, 0.6054,
0.3109

■ 92.3150, 0.3186,
0.3265

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.



35.8574, 0.3562, 0.2470



35.8574, 0.4383, 0.2979



35.8574, 0.4806, 0.3575

Triad

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



35.8574, 0.4383, 0.2979



35.8574, 0.3358, 0.4870



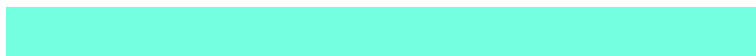
35.8574, 0.1735, 0.2165

Complementary

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



35.8574, 0.4383, 0.2979



80.6129, 0.2563, 0.3662

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.



35.8574, 0.1696, 0.2640



35.8574, 0.4383, 0.2979



35.8574, 0.2566, 0.4382

Square

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



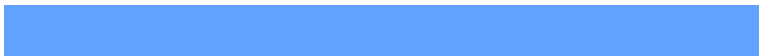
35.8574, 0.4383, 0.2979



35.8574, 0.4132, 0.4714



35.8574, 0.1971, 0.3459



35.8574, 0.2071, 0.2014

Rectangle

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



35.8574, 0.4383, 0.2979



35.8574, 0.4780, 0.3988



35.8574, 0.1971, 0.3459



35.8574, 0.1689, 0.2285

Sweetspot

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



35.8567, 0.4383, 0.2979



74.7987, 0.3366, 0.3199



35.3284, 0.2897, 0.1874



15.4031, 0.3403, 0.3187



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.



35.8567, 0.4383, 0.2979



29.9592, 0.4784, 0.2948



45.3237, 0.4520, 0.3672



18.0535, 0.3259, 0.3237



11.2810, 0.6016, 0.3088



1.1140, 0.5709, 0.2919

Inverse Universe

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



35.8567, 0.4383, 0.2979



29.9592, 0.4784, 0.2948



61.0400, 0.2339, 0.2838



18.0535, 0.3259, 0.3237



11.2810, 0.6016, 0.3088



1.1140, 0.5709, 0.2919

Previews

White Background



This preview shows how the Yxy color 35.8574, 0.4383, 0.2979 looks on a white background.

Color Contrast Check

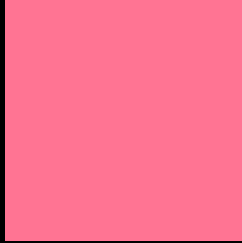
Large Text (above 18pt) WCAG AA × Fail

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 35.8574, 0.4383, 0.2979 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 35.8574, 0.4383, 0.2979

Background



This preview shows how black text looks on a background with the Yxy color 35.8574, 0.4383, 0.2979.



This preview shows how white text looks on a background with the Yxy color 35.8574, 0.4383, 0.2979.

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

35.8574, 0.4383, 0.2979

Protanopia

36.1497, 0.3041, 0.3133

Deuteranopia

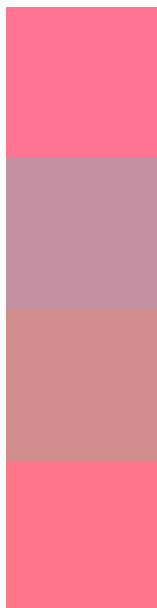
36.0143, 0.3566, 0.3499



Tritanopia

35.8230, 0.4594, 0.3204

Trichromacy



Original Color

35.8574, 0.4383, 0.2979

Protanomaly

34.6309, 0.3484, 0.3054

Deuteranomaly

34.7346, 0.3862, 0.3267

Tritanomaly

35.7770, 0.4513, 0.3122

Monochromacy



Original Color

35.8574, 0.4383, 0.2979

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

34.2532, 0.3547, 0.3145

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8574, 0.4383, 0.2979 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, 116, 147)` looks like.

```
.text, #text, p{  
    color:rgb(255, 116, 147)  
}
```

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, 116, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 116, 147) }
```

Border

The CSS property to change the border of an element to Yxy 35.8574, 0.4383, 0.2979 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, 116, 147) }
```

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

```
.border{ border-color:rgb(255, 116, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 116, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 116, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 116, 147);  
box-shadow:4px 4px 4px 4px rgb(255, 116,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8574, 0.4383, 0.2979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 116, 147) }
```

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

```
.background{ background-color: rgb(255,  
116, 147) }
```

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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