

Converting Colors

$Y_{xy}(35.8744, 0.4507, 0.3102)$

Have a look what the booklet for
Yxy(35.8744, 0.4507, 0.3102)
contains.

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Color

Yxy(35.7602, 0.4516, 0.3103)

Conversions

Conversions Part 1

Format	Color
Hex	FF7588
RGB	255, 117, 136
RGB Percent	100%, 46%, 53%
CMY	0.0000, 0.5411, 0.4668
CMYK	0.00, 0.54, 0.47, 0.00
HSL	352°, 100%, 73%
HSV	352°, 54%, 100%
XYZ	52.0442, 35.7602, 27.4396
YIQ	160.4280, 76.1490, 35.1650

Conversions

Conversions Part 2

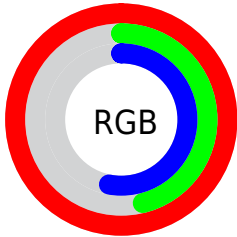
Format	Color
R_{YB}	255, 117, 136
Decimal	16741768
CIE _{Lab}	66.34, 54.16, 15.63
CIE _{LCh}	66, 56.367, 16.099
Yxy	35.7602, 0.4516, 0.3103
Android (android.graphics.Color)	4294931848 (0xFFFF7588)
YUV	160.4280, -12.0430, 82.9396
Hunter-Lab	59.7998, 50.7000, 14.6542

Details

The Yxy color **35.7602, 0.4516, 0.3103** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **81.3612, 0.2515, 0.3513**, and the grayscale version is **35.3925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8213, 0.3725, 0.3124**, and **15.5865, 0.4962, 0.3015** is the 20% darker color. If you saturate the color by 10%, you get **30.0439, 0.4940, 0.3088**, and if you desaturate by 10%, it is **43.2255, 0.4140, 0.3131**.

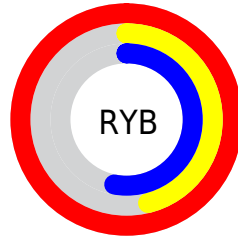
Distribution



Red (100%)

Green (46%)

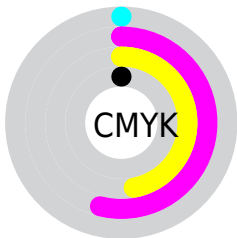
Blue (53%)



Red (100%)

Yellow (46%)

Blue (53%)

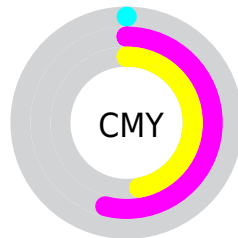


Cyan (0%)

Magenta (54%)

Yellow (47%)

Black (0%)



Cyan (0%)


Magenta (54%)


Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.7602, 0.4516, 0.3103 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 35.7602, 0.4516, 0.3103 by changing the saturation by 10% instead.


 35.7602, 0.4516,
0.3103


 35.7602, 0.4516,
0.3103


327.9112, 0.3787,
0.3226


 24.2491, 0.4706,
0.3062


 68.6618, 0.4244,
0.3155

 15.5185, 0.4954,
0.3005


 90.8210, 0.4144,
0.3172

 9.1841, 0.5288,
0.2917


 117.2984, 0.4060,
0.3186

 4.8614, 0.5756,
0.2777

148.4783, 0.3989,
0.3197

 2.1662, 0.6443,
0.2532

184.7451, 0.3928,
0.3206

 0.7015, 0.7868,
0.2132

226.4833, 0.3875,

 0.0000, 1.0000,

0.3214

0.0000

274.0772, 0.3828,
0.3221

■ 0.0000, 0.0000,
0.0000

■ 35.7602, 0.4516,
0.3103

■ 35.7602, 0.4516,
0.3103

■ 30.0439, 0.4940,
0.3088

■ 43.2255, 0.4140,
0.3131

■ 25.9299, 0.5384,
0.3094

■ 52.5627, 0.3824,
0.3166

■ 23.2541, 0.5797,
0.3126

■ 63.8881, 0.3565,
0.3204

■ 21.8152, 0.6118,
0.3182

■ 77.3077, 0.3355,
0.3241

■ 21.3815, 0.6251,
0.3217

■ 92.9196, 0.3186,
0.3276

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.



35.7602, 0.3754, 0.2569



35.7602, 0.4516, 0.3103



35.7602, 0.4822, 0.3708

Triad

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



35.7602, 0.4516, 0.3103



35.7602, 0.3182, 0.4821



35.7602, 0.1784, 0.2109

Complementary

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



35.7602, 0.4516, 0.3103



81.3612, 0.2515, 0.3513

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.



35.7602, 0.1680, 0.2509



35.7602, 0.4516, 0.3103



35.7602, 0.2415, 0.4200

Square

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



35.7602, 0.4516, 0.3103



35.7602, 0.3977, 0.4789



35.7602, 0.1885, 0.3260



35.7602, 0.2184, 0.2019

Rectangle

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



35.7602, 0.4516, 0.3103



35.7602, 0.4721, 0.4120



35.7602, 0.1885, 0.3260



35.7602, 0.1716, 0.2205

Sweetspot

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



35.7616, 0.4516, 0.3103



74.6114, 0.3391, 0.3234



37.4884, 0.3002, 0.1925



15.3590, 0.3432, 0.3227



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.



35.7616, 0.4516, 0.3103



29.6168, 0.4980, 0.3088



49.5656, 0.4429, 0.3787



18.0277, 0.3273, 0.3258



11.1846, 0.6223, 0.3202



1.1008, 0.5965, 0.3060

Inverse Universe

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



35.7616, 0.4516, 0.3103



29.6168, 0.4980, 0.3088



55.4847, 0.2313, 0.2694



18.0277, 0.3273, 0.3258



11.1846, 0.6223, 0.3202



1.1008, 0.5965, 0.3060

Previews

White Background



This preview shows how the Yxy color 35.7602, 0.4516, 0.3103 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 35.7602, 0.4516, 0.3103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

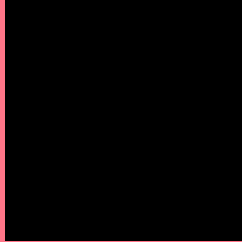
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.7602, 0.4516, 0.3103

Background



This preview shows how black text looks on a background with the Yxy color 35.7602, 0.4516, 0.3103.



This preview shows how white text looks on a background with the Yxy color 35.7602, 0.4516, 0.3103.

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

35.7602, 0.4516, 0.3103

Protanopia

35.9923, 0.3183, 0.3319

Deuteranopia

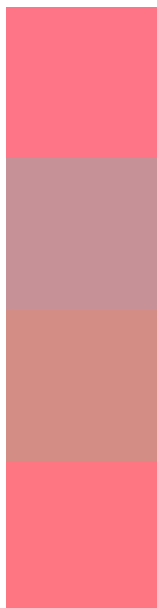
35.7458, 0.3711, 0.3635



Tritanopia

35.7968, 0.4606, 0.3214

Trichromacy



Original Color

35.7602, 0.4516, 0.3103

Protanomaly

34.4909, 0.3632, 0.3212

Deuteranomaly

34.7127, 0.4007, 0.3406

Tritanomaly

35.6394, 0.4575, 0.3173

Monochromacy



Original Color

35.7602, 0.4516, 0.3103

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 35.7602, 0.4516, 0.3103 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, 136)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 136)  
}
```

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, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 136) }
```

Border

The CSS property to change the border of an element to Yxy 35.7602, 0.4516, 0.3103 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, 136) }
```

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

```
.border{ border-color:rgb(255, 117, 136) }
```

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, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 136);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7602, 0.4516, 0.3103 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, 136) }
```

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

```
.background{ background-color: rgb(255,  
117, 136) }
```

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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