

Converting Colors

$Y_{xy}(36.3111, 0.4318, 0.2943)$

Have a look what the booklet for
Yxy(36.3111, 0.4318, 0.2943)
contains.

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Color

Yxy(36.2496, 0.4316, 0.2937)

Conversions

Conversions Part 1

Format	Color
Hex	FF7598
RGB	255, 117, 152
RGB Percent	100%, 46%, 60%
CMY	0.0000, 0.5412, 0.4038
CMYK	0.00, 0.54, 0.40, 0.00
HSL	345°, 100%, 73%
HSV	345°, 54%, 100%
XYZ	53.2698, 36.2496, 33.9045
YIQ	162.2520, 71.0130, 40.1410

Conversions

Conversions Part 2

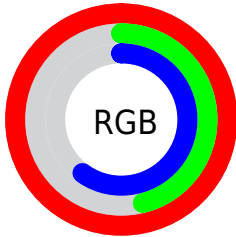
Format	Color
R _Y B	255, 117, 152
Decimal	16741784
CIE Lab	66.71, 55.73, 7.04
CIE LCh	67, 56.175, 7.204
Yxy	36.2496, 0.4316, 0.2937
Android (android.graphics.Color)	4294931864 (0xFFFF7598)
YUV	162.2520, -5.0542, 81.3400
Hunter-Lab	60.2076, 52.5676, 8.7576

Details

The Yxy color **36.2496, 0.4316, 0.2937** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **80.4675, 0.2584, 0.3712**, and the grayscale version is **36.2568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.6034, 0.3571, 0.2950**, and **15.7464, 0.4692, 0.2813** is the 20% darker color. If you saturate the color by 10%, you get **30.5220, 0.4679, 0.2900**, and if you desaturate by 10%, it is **43.6989, 0.3997, 0.2994**.

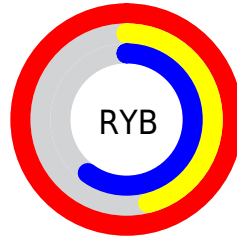
Distribution



Red (100%)

Green (46%)

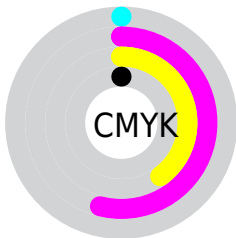
Blue (60%)



Red (100%)

Yellow (46%)

Blue (60%)

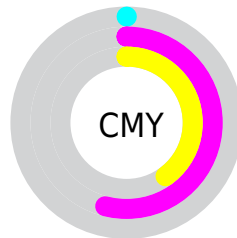


Cyan (0%)

Magenta (54%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (54%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2496, 0.4316, 0.2937 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 36.2496, 0.4316, 0.2937 by changing the saturation by 10% instead.

 36.2496, 0.4316,
0.2937


 36.2496, 0.4316,
0.2937


330.0502, 0.3696,
0.3131

 24.6270, 0.4478,
0.2883


 69.4171, 0.4085,
0.3012

 15.7994, 0.4688,
0.2811

 91.7309, 0.4000,
0.3038

 9.3823, 0.4974,
0.2710


 118.3772, 0.3929,
0.3061

 4.9914, 0.5379,
0.2560

149.7404, 0.3868,
0.3079

 2.2422, 0.5988,
0.2319

186.2049, 0.3816,
0.3095

 0.7429, 0.7224,
0.1947

228.1551, 0.3771,

 0.0000, 1.0000,

0.3109

0.0000

275.9754, 0.3731,
0.3121

■ 0.0000, 0.0000,
0.0000

■ 36.2496, 0.4316,
0.2937

■ 36.2496, 0.4316,
0.2937

■ 30.5220, 0.4679,
0.2900

■ 43.6989, 0.3997,
0.2994

■ 26.3710, 0.5071,
0.2893

■ 52.9884, 0.3728,
0.3061

■ 23.6367, 0.5458,
0.2927

■ 64.2326, 0.3506,
0.3131

■ 22.1220, 0.5797,
0.3003

■ 77.5348, 0.3326,
0.3199

■ 21.6379, 0.5964,
0.3059

■ 92.9915, 0.3179,
0.3265

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.



36.2496, 0.3486, 0.2442



36.2496, 0.4316, 0.2937



36.2496, 0.4777, 0.3525

Triad

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



36.2496, 0.4316, 0.2937



36.2496, 0.3424, 0.4864



36.2496, 0.1731, 0.2200

Complementary

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



36.2496, 0.4316, 0.2937



80.4675, 0.2584, 0.3712

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.



36.2496, 0.1717, 0.2701



36.2496, 0.4316, 0.2937



36.2496, 0.2631, 0.4433

Square

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



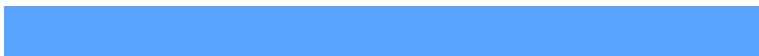
36.2496, 0.4316, 0.2937



36.2496, 0.4181, 0.4670



36.2496, 0.2018, 0.3535



36.2496, 0.2041, 0.2025

Rectangle

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



36.2496, 0.4316, 0.2937



36.2496, 0.4782, 0.3935



36.2496, 0.2018, 0.3535



36.2496, 0.1693, 0.2328

Sweetspot

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



36.2515, 0.4316, 0.2937



74.8663, 0.3357, 0.3187



34.8803, 0.2858, 0.1867



15.4191, 0.3392, 0.3173



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.



36.2515, 0.4316, 0.2937



30.0936, 0.4713, 0.2898



44.1038, 0.4536, 0.3622



18.0627, 0.3254, 0.3230



11.3266, 0.5924, 0.3037



1.1196, 0.5608, 0.2863

Inverse Universe

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



36.2515, 0.4316, 0.2937



30.0936, 0.4713, 0.2898



63.6708, 0.2356, 0.2900



18.0627, 0.3254, 0.3230



11.3266, 0.5924, 0.3037



1.1196, 0.5608, 0.2863

Previews

White Background



This preview shows how the Yxy color 36.2496, 0.4316, 0.2937 looks on a white background.

Color Contrast Check

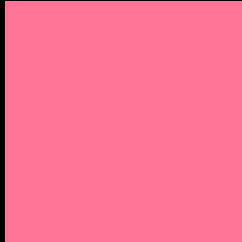
Large Text (above 18pt) WCAG AA × Fail

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 36.2496, 0.4316, 0.2937 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 36.2496, 0.4316, 0.2937

Background



This preview shows how black text looks on a background with the Yxy color 36.2496, 0.4316, 0.2937.



This preview shows how white text looks on a background with the Yxy color 36.2496, 0.4316, 0.2937.

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

36.2496, 0.4316, 0.2937

Protanopia

36.5921, 0.2989, 0.3077

Deuteranopia

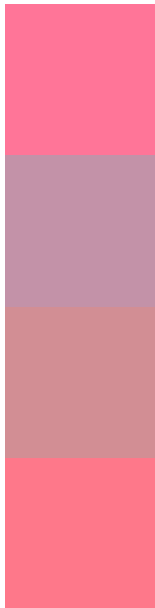
36.5036, 0.3513, 0.3443



Tritanopia

36.1691, 0.4549, 0.3203

Trichromacy



Original Color

36.2496, 0.4316, 0.2937

Protanomaly

34.9870, 0.3420, 0.3002

Deuteranomaly

35.1858, 0.3802, 0.3216

Tritanomaly

36.3388, 0.4466, 0.3111

Monochromacy



Original Color

36.2496, 0.4316, 0.2937

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

34.7622, 0.3534, 0.3133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2496, 0.4316, 0.2937 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, 152)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 152)  
}
```

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, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 152) }
```

Border

The CSS property to change the border of an element to Yxy 36.2496, 0.4316, 0.2937 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, 152) }
```

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

```
.border{ border-color:rgb(255, 117, 152) }
```

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, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 152);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2496, 0.4316, 0.2937 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, 152) }
```

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

```
.background{ background-color: rgb(255,  
117, 152) }
```

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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