

Converting Colors

$Y_{xy}(36.3529, 0.4333, 0.2887)$

Have a look what the booklet for
Yxy(36.3529, 0.4333, 0.2887)
contains.

| | |
|---|----|
| Yxy(35.6612, 0.4291, 0.2878) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(35.6612, 0.4291, 0.2878)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF729B |
| RGB | 255, 114, 155 |
| RGB Percent | 100%, 45%, 61% |
| CMY | 0.0000, 0.5529, 0.3923 |
| CMYK | 0.00, 0.55, 0.39, 0.00 |
| HSL | 343°, 100%, 72% |
| HSV | 343°, 55%, 100% |
| XYZ | 53.1696, 35.6612, 35.0788 |
| YIQ | 160.8330, 70.8750, 42.6430 |

Conversions

Conversions Part 2

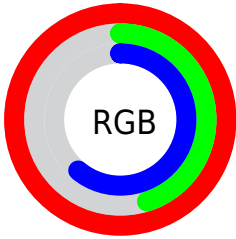
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 255, 114, 155 |
| Decimal | 16741019 |
| CIE Lab | 66.26, 57.41, 4.72 |
| CIE LCh | 66, 57.606, 4.701 |
| Yxy | 35.6612, 0.4291, 0.2878 |
| Android (android.graphics.Color) | 4294931099 (0xFFFF729B) |
| YUV | 160.8330, -2.8757, 82.5845 |
| Hunter-Lab | 59.7170, 54.4245, 6.9739 |

Details

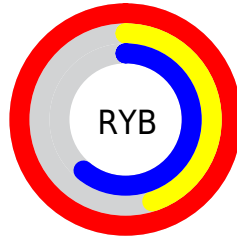
The Yxy color **35.6612, 0.4291, 0.2878** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **79.9506, 0.2599, 0.3790**, and the grayscale version is **35.5501, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.6129, 0.3550, 0.2889**, and **15.3951, 0.4656, 0.2735** is the 20% darker color. If you saturate the color by 10%, you get **30.1263, 0.4638, 0.2836**, and if you desaturate by 10%, it is **42.8938, 0.3985, 0.2943**.

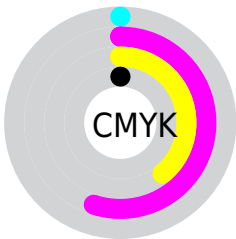
Distribution



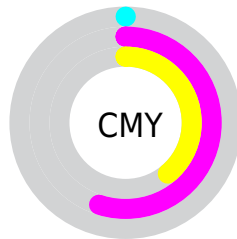
- Red (100%)
- Green (45%)
- Blue (61%)



- Red (100%)
- Yellow (45%)
- Blue (61%)



- Cyan (0%)
- Magenta (55%)
- Yellow (39%)
- Black (0%)





- Cyan (0%)
- Magenta (55%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6612, 0.4291, 0.2878 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 35.6612, 0.4291, 0.2878 by changing the saturation by 10% instead.


 35.6612, 0.4291,
0.2878


 35.6612, 0.4291,
0.2878


327.4773, 0.3684,
0.3100

 24.1726, 0.4449,
0.2818


 68.5088, 0.4065,
0.2962

 15.4617, 0.4656,
0.2738


 90.6367, 0.3982,
0.2993

 9.1441, 0.4937,
0.2628


 117.0797, 0.3912,
0.3018

 4.8353, 0.5335,
0.2467

148.2224, 0.3853,
0.3039

 2.1509, 0.5937,
0.2215

184.4491, 0.3801,
0.3058

 0.6930, 0.7105,
0.1795

226.1443, 0.3757,

 0.0000, 1.0000,

0.3074

0.0000


273.6922, 0.3718,
0.3087

 0.0000, 0.0000,
0.0000

 35.6612, 0.4291,
0.2878

 35.6612, 0.4291,
0.2878


 30.1263, 0.4638,
0.2836


 42.8938, 0.3985,
0.2943


 26.1426, 0.5011,
0.2827


 51.9435, 0.3726,
0.3018


 23.5480, 0.5380,
0.2863

 62.9253, 0.3511,
0.3098

 22.1404, 0.5709,
0.2945

 75.9432, 0.3335,
0.3177

 21.7539, 0.5844,
0.2993

 91.0934, 0.3192,
0.3252

99.9985, 0.3127,
0.3290

Harmonies

Analogous

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



35.6612, 0.3419, 0.2385



35.6612, 0.4291, 0.2878



35.6612, 0.4809, 0.3473

Triad

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



35.6612, 0.4291, 0.2878



35.6612, 0.3496, 0.4921



35.6612, 0.1684, 0.2198

Complementary

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



35.6612, 0.4291, 0.2878



79.9506, 0.2599, 0.3790

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.



35.6612, 0.1694, 0.2739



35.6612, 0.4291, 0.2878



35.6612, 0.2677, 0.4536

Square

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



35.6612, 0.4291, 0.2878



35.6612, 0.4261, 0.4667



35.6612, 0.2027, 0.3622



35.6612, 0.1975, 0.1997

Rectangle

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



35.6612, 0.4291, 0.2878



35.6612, 0.4842, 0.3892



35.6612, 0.2027, 0.3622



35.6612, 0.1653, 0.2338

Sweetspot

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



35.6631, 0.4291, 0.2878



73.5672, 0.3362, 0.3164



33.3598, 0.2808, 0.1822



15.1662, 0.3396, 0.3148



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.



35.6631, 0.4291, 0.2878



29.7939, 0.4664, 0.2834



41.8835, 0.4613, 0.3579



18.0739, 0.3248, 0.3221



11.3900, 0.5802, 0.2970



1.1270, 0.5482, 0.2794

Inverse Universe

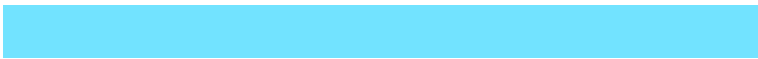
The Inverse Universe completely reimagines the original color for something new.



35.6631, 0.4291, 0.2878



29.7939, 0.4664, 0.2834



65.6256, 0.2355, 0.2949



18.0739, 0.3248, 0.3221



11.3900, 0.5802, 0.2970



1.1270, 0.5482, 0.2794

Previews

White Background



This preview shows how the Yxy color 35.6612, 0.4291, 0.2878 looks on a white background.

Color Contrast Check

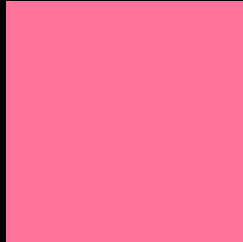
Large Text (above 18pt) WCAG AA × Fail

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 35.6612, 0.4291, 0.2878 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 35.6612, 0.4291, 0.2878

Background



This preview shows how black text looks on a background with the Yxy color 35.6612, 0.4291, 0.2878.

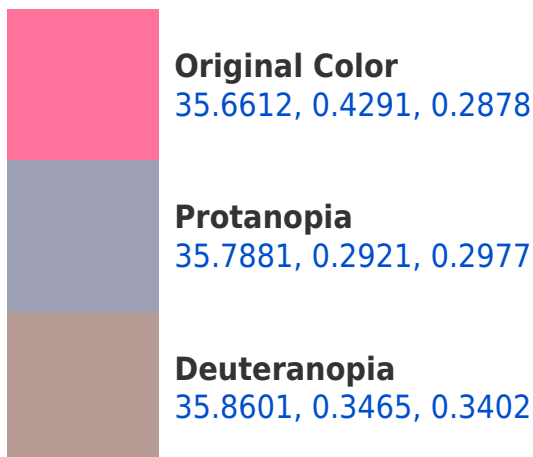


This preview shows how white text looks on a background with the Yxy color 35.6612, 0.4291, 0.2878.

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

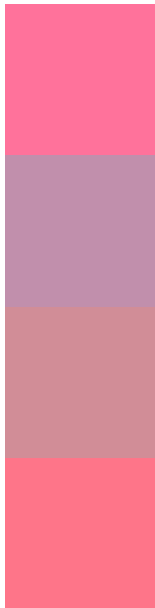




Tritanopia

35.6086, 0.4597, 0.3213

Trichromacy



Original Color

35.6612, 0.4291, 0.2878

Protanomaly

33.9609, 0.3363, 0.2909

Deuteranomaly

34.8394, 0.3762, 0.3165

Tritanomaly

35.5996, 0.4494, 0.3091

Monochromacy



Original Color

35.6612, 0.4291, 0.2878

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

34.0518, 0.3518, 0.3092

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6612, 0.4291, 0.2878 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, 114, 155)` looks like.

```
.text, #text, p{  
    color:rgb(255, 114, 155)  
}
```

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, 114, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 114, 155) }
```

Border

The CSS property to change the border of an element to Yxy 35.6612, 0.4291, 0.2878 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, 114, 155) }
```

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

```
.border{ border-color:rgb(255, 114, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 114, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 114, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 114, 155);  
box-shadow:4px 4px 4px 4px rgb(255, 114,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6612, 0.4291, 0.2878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 114, 155) }
```

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

```
.background{ background-color: rgb(255,  
114, 155) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor