

Converting Colors

$Y_{xy}(34.1339, 0.4470, 0.2956)$

Have a look what the booklet for
Yxy(34.1339, 0.4470, 0.2956)
contains.

Yxy(34.1804, 0.4465, 0.2954)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(34.1804, 0.4465, 0.2954)

Conversions

Conversions Part 1

Format	Color
Hex	FF6D8F
RGB	255, 109, 143
RGB Percent	100%, 43%, 56%
CMY	0.0000, 0.5725, 0.4392
CMYK	0.00, 0.57, 0.44, 0.00
HSL	346°, 100%, 71%
HSV	346°, 57%, 100%
XYZ	51.6640, 34.1804, 29.8645
YIQ	156.5300, 76.1020, 41.5260

Conversions

Conversions Part 2

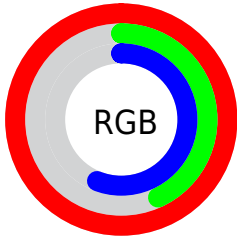
Format	Color
R_{YB}	255, 109, 143
Decimal	16739727
CIE _{Lab}	65.11, 58.46, 9.89
CIE _{LCh}	65, 59.294, 9.603
Yxy	34.1804, 0.4465, 0.2954
Android (android.graphics.Color)	4294929807 (0xFFFF6D8F)
YUV	156.5300, -6.6703, 86.3582
Hunter-Lab	58.4640, 55.4265, 10.6384

Details

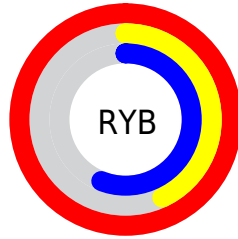
The Yxy color **34.1804, 0.4465, 0.2954** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **79.9853, 0.2551, 0.3702**, and the grayscale version is **33.5027, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.2015, 0.3671, 0.2958**, and **14.6273, 0.4898, 0.2820** is the 20% darker color. If you saturate the color by 10%, you get **28.9653, 0.4851, 0.2929**, and if you desaturate by 10%, it is **41.0800, 0.4120, 0.3001**.

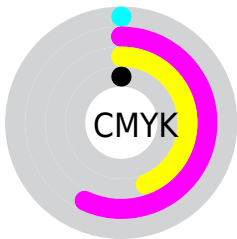
Distribution



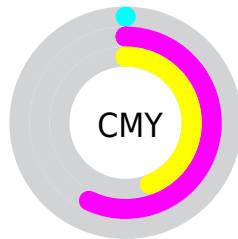
- Red (100%)
- Green (43%)
- Blue (56%)



- Red (100%)
- Yellow (43%)
- Blue (56%)



- Cyan (0%)
- Magenta (57%)
- Yellow (44%)
- Black (0%)





- Cyan (0%)
- Magenta (57%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1804, 0.4465, 0.2954 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 34.1804, 0.4465, 0.2954 by changing the saturation by 10% instead.

 34.1804, 0.4465,
0.2954


 34.1804, 0.4465,
0.2954


320.9357, 0.3760,
0.3147


 23.0322, 0.4650,
0.2898


 66.2141, 0.4201,
0.3030

 14.6173, 0.4893,
0.2821


 87.8684, 0.4104,
0.3057

 8.5512, 0.5222,
0.2712


 113.7936, 0.4023,
0.3079

 4.4497, 0.5690,
0.2545

144.3740, 0.3955,
0.3097

 1.9281, 0.6389,
0.2270

179.9940, 0.3896,
0.3112

 0.5652, 0.8178,
0.1822

221.0380, 0.3845,

 0.0000, 1.0000,

0.3125

0.0000

267.8904, 0.3800,
0.3137

■ 0.0000, 0.0000,
0.0000

■ 34.1804, 0.4465,
0.2954

■ 34.1804, 0.4465,
0.2954

■ 28.9653, 0.4851,
0.2929

■ 41.0800, 0.4120,
0.3001

■ 25.2831, 0.5255,
0.2937

■ 49.7874, 0.3827,
0.3060

■ 22.9643, 0.5638,
0.2985

■ 60.4208, 0.3584,
0.3124

■ 21.7892, 0.5953,
0.3069

■ 73.0866, 0.3385,
0.3187

■ 21.5776, 0.6026,
0.3093

■ 87.8834, 0.3224,
0.3248

99.9978, 0.3127,
0.3290

Harmonies

Analogous

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



34.1804, 0.3586, 0.2424



34.1804, 0.4465, 0.2954



34.1804, 0.4912, 0.3575

Triad

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



34.1804, 0.4465, 0.2954



34.1804, 0.3360, 0.4983



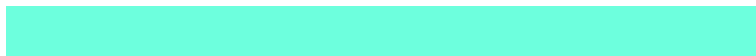
34.1804, 0.1662, 0.2099

Complementary

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



34.1804, 0.4465, 0.2954



79.9853, 0.2551, 0.3702

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.



34.1804, 0.1619, 0.2593



34.1804, 0.4465, 0.2954



34.1804, 0.2525, 0.4466

Square

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



34.1804, 0.4465, 0.2954



34.1804, 0.4179, 0.4792



34.1804, 0.1902, 0.3466



34.1804, 0.2011, 0.1946

Rectangle

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



34.1804, 0.4465, 0.2954



34.1804, 0.4878, 0.4009



34.1804, 0.1902, 0.3466



34.1804, 0.1614, 0.2222

Sweetspot

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



34.1822, 0.4465, 0.2954



73.4324, 0.3381, 0.3189



33.5211, 0.2880, 0.1811



15.1347, 0.3417, 0.3176



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.



34.1822, 0.4465, 0.2954



28.2158, 0.4922, 0.2928



43.5242, 0.4621, 0.3685



18.0564, 0.3257, 0.3235



11.2947, 0.5988, 0.3072



1.1157, 0.5678, 0.2901

Inverse Universe

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



34.1822, 0.4465, 0.2954



28.2158, 0.4922, 0.2928



59.6155, 0.2307, 0.2811



18.0564, 0.3257, 0.3235



11.2947, 0.5988, 0.3072



1.1157, 0.5678, 0.2901

Previews

White Background



This preview shows how the Yxy color 34.1804, 0.4465, 0.2954 looks on a white background.

Color Contrast Check

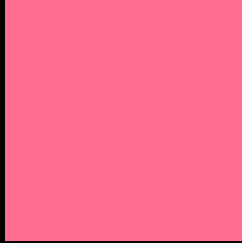
Large Text (above 18pt) WCAG AA × Fail

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 34.1804, 0.4465, 0.2954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

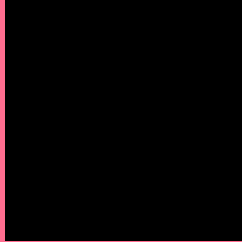
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.1804, 0.4465, 0.2954

Background



This preview shows how black text looks on a background with the Yxy color 34.1804, 0.4465, 0.2954.



This preview shows how white text looks on a background with the Yxy color 34.1804, 0.4465, 0.2954.

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

34.1804, 0.4465, 0.2954

Protanopia

34.2853, 0.3021, 0.3100

Deuteranopia

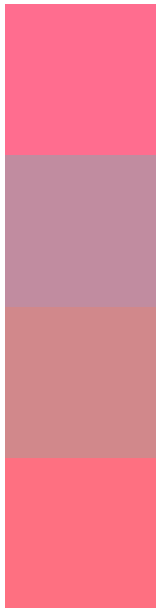
34.1791, 0.3597, 0.3517



Tritanopia

34.0734, 0.4705, 0.3215

Trichromacy



Original Color

34.1804, 0.4465, 0.2954

Protanomaly

32.6317, 0.3495, 0.3024

Deuteranomaly

33.0277, 0.3917, 0.3254

Tritanomaly

34.2442, 0.4620, 0.3125

Monochromacy



Original Color

34.1804, 0.4465, 0.2954

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

32.3606, 0.3582, 0.3130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1804, 0.4465, 0.2954 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, 109, 143)` looks like.

```
.text, #text, p{  
    color:rgb(255, 109, 143)  
}
```

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, 109, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 109, 143) }
```

Border

The CSS property to change the border of an element to Yxy 34.1804, 0.4465, 0.2954 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, 109, 143) }
```

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

```
.border{ border-color:rgb(255, 109, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 109, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 109, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 109, 143);  
box-shadow:4px 4px 4px 4px rgb(255, 109,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1804, 0.4465, 0.2954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 109, 143) }
```

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

```
.background{ background-color: rgb(255,  
109, 143) }
```

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