

Converting Colors

$Y_{xy}(40.7494, 0.4771, 0.3072)$

Have a look what the booklet for
Yxy(40.7494, 0.4771, 0.3072)
contains.

Yxy(34.6833, 0.4515, 0.3034)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.6833, 0.4515, 0.3034)

Conversions

Conversions Part 1

Format	Color
Hex	FF708A
RGB	255, 112, 138
RGB Percent	100%, 44%, 54%
CMY	0.0001, 0.5607, 0.4588
CMYK	0.00, 0.56, 0.46, 0.00
HSL	349°, 100%, 72%
HSV	349°, 56%, 100%
XYZ	51.6134, 34.6833, 28.0187
YIQ	157.7210, 76.8820, 38.4020

Conversions

Conversions Part 2

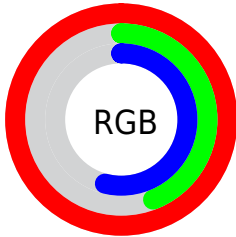
Format	Color
R_{YB}	255, 112, 138
Decimal	16740490
CIE _{Lab}	65.50, 56.62, 13.31
CIE _{LCh}	66, 58.167, 13.226
Yxy	34.6833, 0.4515, 0.3034
Android (android.graphics.Color)	4294930570 (0xFFFF708A)
YUV	157.7210, -9.7225, 85.3137
Hunter-Lab	58.8925, 53.3755, 13.0170

Details

The Yxy color **34.6833, 0.4515, 0.3034** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **80.6051, 0.2527, 0.3600**, and the grayscale version is **34.0824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.0269, 0.3720, 0.3051**, and **14.9063, 0.4970, 0.2920** is the 20% darker color. If you saturate the color by 10%, you get **29.2835, 0.4924, 0.3016**, and if you desaturate by 10%, it is **41.7955, 0.4150, 0.3070**.

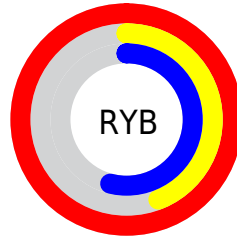
Distribution



Red (100%)

Green (44%)

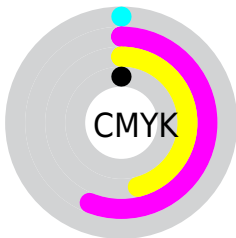
Blue (54%)



Red (100%)

Yellow (44%)

Blue (54%)

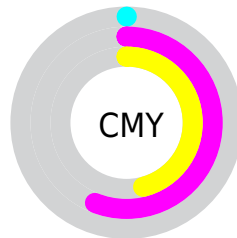


Cyan (0%)

Magenta (56%)

Yellow (46%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6833, 0.4515, 0.3034 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 34.6833, 0.4515, 0.3034 by changing the saturation by 10% instead.


 34.6833, 0.4515,
0.3034


 34.6833, 0.4515,
0.3034


323.1682, 0.3784,
0.3190


 23.4190, 0.4707,
0.2986


 66.9949, 0.4242,
0.3098

 14.9032, 0.4957,
0.2918

 88.8109, 0.4141,
0.3120

 8.7515, 0.5296,
0.2818


 114.9130, 0.4057,
0.3137

 4.5794, 0.5774,
0.2662

145.6856, 0.3986,
0.3152

 2.0027, 0.6481,
0.2396

181.5130, 0.3925,
0.3164

 0.6090, 0.8060,
0.1940

222.7797, 0.3872,


 0.0000, 1.0000,


0.3174


0.0000


269.8699, 0.3825,
0.3183


 0.0000, 0.0000,
0.0000

 34.6833, 0.4515,
0.3034


 34.6833, 0.4515,
0.3034

 29.2835, 0.4924,
0.3016

 41.7955, 0.4150,
0.3070

 25.4456, 0.5351,
0.3024


 50.7430, 0.3841,
0.3117

 23.0021, 0.5749,
0.3066

 61.6435, 0.3586,
0.3166

 21.7438, 0.6063,
0.3138

 74.6037, 0.3379,
0.3216

 21.4541, 0.6160,
0.3167

 89.7221, 0.3212,
0.3263

99.9943, 0.3127,
0.3290

Harmonies

Analogous

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



34.6833, 0.3690, 0.2497



34.6833, 0.4515, 0.3034



34.6833, 0.4885, 0.3652

Triad

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



34.6833, 0.4515, 0.3034



34.6833, 0.3258, 0.4918



34.6833, 0.1715, 0.2090

Complementary

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



34.6833, 0.4515, 0.3034



80.6051, 0.2527, 0.3600

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.



34.6833, 0.1637, 0.2533



34.6833, 0.4515, 0.3034



34.6833, 0.2452, 0.4330

Square

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



34.6833, 0.4515, 0.3034



34.6833, 0.4073, 0.4812



34.6833, 0.1877, 0.3345



34.6833, 0.2096, 0.1973

Rectangle

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



34.6833, 0.4515, 0.3034



34.6833, 0.4810, 0.4078



34.6833, 0.1877, 0.3345



34.6833, 0.1655, 0.2198

Sweetspot

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



34.6851, 0.4515, 0.3034



73.3143, 0.3397, 0.3211



35.4333, 0.2952, 0.1865



15.1071, 0.3436, 0.3201



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.



34.6851, 0.4515, 0.3034



28.8661, 0.4964, 0.3015



46.6395, 0.4527, 0.3753



18.0410, 0.3266, 0.3247



11.2286, 0.6126, 0.3149



1.1072, 0.5838, 0.2990

Inverse Universe

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



34.6851, 0.4515, 0.3034



28.8661, 0.4964, 0.3015



56.6136, 0.2301, 0.2731



18.0410, 0.3266, 0.3247



11.2286, 0.6126, 0.3149



1.1072, 0.5838, 0.2990

Previews

White Background



This preview shows how the Yxy color 34.6833, 0.4515, 0.3034 looks on a white background.

Color Contrast Check

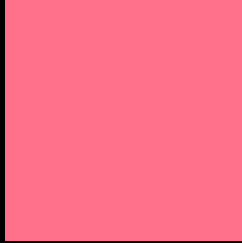
Large Text (above 18pt) WCAG AA × Fail

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 34.6833, 0.4515, 0.3034 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 34.6833, 0.4515, 0.3034

Background



This preview shows how black text looks on a background with the Yxy color 34.6833, 0.4515, 0.3034.



This preview shows how white text looks on a background with the Yxy color 34.6833, 0.4515, 0.3034.

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

34.6833, 0.4515, 0.3034

Protanopia

35.0177, 0.3111, 0.3232

Deuteranopia

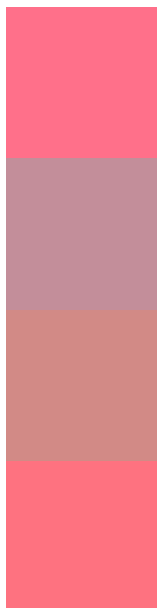
34.7354, 0.3677, 0.3598



Tritanopia

34.7624, 0.4678, 0.3215

Trichromacy



Original Color

34.6833, 0.4515, 0.3034

Protanomaly

33.2812, 0.3576, 0.3131

Deuteranomaly

33.5998, 0.3977, 0.3343

Tritanomaly

34.6640, 0.4622, 0.3155

Monochromacy



Original Color

34.6833, 0.4515, 0.3034

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

32.6216, 0.3590, 0.3157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6833, 0.4515, 0.3034 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, 112, 138)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 138)  
}
```

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, 112, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 138) }
```

Border

The CSS property to change the border of an element to Yxy 34.6833, 0.4515, 0.3034 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, 112, 138) }
```

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

```
.border{ border-color:rgb(255, 112, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 112, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 138);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6833, 0.4515, 0.3034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 112, 138) }
```

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

```
.background{ background-color: rgb(255,  
112, 138) }
```

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