

Converting Colors

$Y_{xy}(45.2977, 0.4404, 0.3066)$

Have a look what the booklet for
Yxy(45.2977, 0.4404, 0.3066)
contains.

Yxy(40.4694, 0.4190, 0.3044)	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(40.4694, 0.4190, 0.3044)

Conversions

Conversions Part 1

Format	Color
Hex	FF859D
RGB	255, 133, 157
RGB Percent	100%, 52%, 62%
CMY	0.0001, 0.4783, 0.3843
CMYK	0.00, 0.48, 0.38, 0.00
HSL	348°, 100%, 76%
HSV	348°, 48%, 100%
XYZ	55.7053, 40.4694, 36.7734
YIQ	172.2140, 65.0080, 33.3280

Conversions

Conversions Part 2

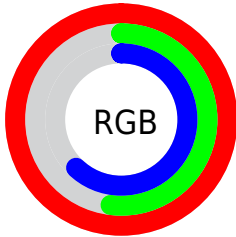
Format	Color
R_{YB}	255, 133, 157
Decimal	16745885
CIE _{Lab}	69.80, 48.59, 8.66
CIE _{LCh}	70, 49.356, 10.100
Yxy	40.4694, 0.4190, 0.3044
Android (android.graphics.Color)	4294935965 (0xFFFF859D)
YUV	172.2140, -7.5005, 72.6033
Hunter-Lab	63.6156, 44.9771, 10.2579

Details

The Yxy color **40.4694, 0.4190, 0.3044** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **82.2594, 0.2597, 0.3570**, and the grayscale version is **41.3862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3583, 0.3499, 0.3065**, and **18.2347, 0.4513, 0.2950** is the 20% darker color. If you saturate the color by 10%, you get **33.6731, 0.4556, 0.3007**, and if you desaturate by 10%, it is **49.0813, 0.3877, 0.3093**.

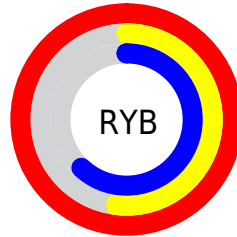
Distribution



Red (100%)

Green (52%)

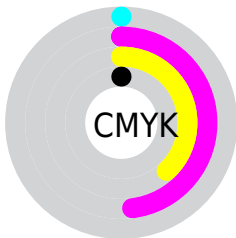
Blue (62%)



Red (100%)

Yellow (52%)

Blue (62%)

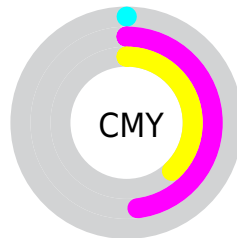


Cyan (0%)

Magenta (48%)

Yellow (38%)

Black (0%)



Cyan (0%)


Magenta (48%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4694, 0.4190, 0.3044 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 40.4694, 0.4190, 0.3044 by changing the saturation by 10% instead.

 40.4694, 0.4190,
0.3044


 40.4694, 0.4190,
0.3044


348.0981, 0.3643,
0.3181

 27.9047, 0.4330,
0.3006


 75.8778, 0.3988,
0.3097

 18.2538, 0.4512,
0.2954


 99.4902, 0.3914,
0.3116

 11.1324, 0.4755,
0.2881


 127.5541, 0.3851,
0.3132

 6.1560, 0.5098,
0.2772

160.4538, 0.3797,
0.3145

 2.9401, 0.5608,
0.2596

198.5736, 0.3751,
0.3156

 1.1006, 0.6492,
0.2302

242.2980, 0.3710,

 0.0000, 1.0000,

0.3166

0.0000

292.0113, 0.3675,
0.3174

■ 0.0000, 0.0000,
0.0000

■ 40.4694, 0.4190,
0.3044

■ 40.4694, 0.4190,
0.3044

■ 33.6731, 0.4556,
0.3007

■ 49.0813, 0.3877,
0.3093

■ 28.5558, 0.4963,
0.2990

■ 59.6204, 0.3618,
0.3146

■ 24.9713, 0.5383,
0.3003

■ 72.1963, 0.3408,
0.3200

■ 22.7453, 0.5768,
0.3052

■ 86.9087, 0.3237,
0.3252

■ 21.6465, 0.6070,
0.3131

■ 99.9944, 0.3127,
0.3290

■ 21.4858, 0.6124,
0.3147

Harmonies

Analogous

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



40.4694, 0.3512, 0.2592



40.4694, 0.4190, 0.3044



40.4694, 0.4545, 0.3572

Triad

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



40.4694, 0.4190, 0.3044



40.4694, 0.3336, 0.4596



40.4694, 0.1925, 0.2328

Complementary

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



40.4694, 0.4190, 0.3044



82.2594, 0.2597, 0.3570

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.



40.4694, 0.1890, 0.2747



40.4694, 0.4190, 0.3044



40.4694, 0.2655, 0.4177

Square

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



40.4694, 0.4190, 0.3044



40.4694, 0.3997, 0.4515



40.4694, 0.2137, 0.3431



40.4694, 0.2229, 0.2187

Rectangle

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



40.4694, 0.4190, 0.3044



40.4694, 0.4532, 0.3931



40.4694, 0.2137, 0.3431



40.4694, 0.1883, 0.2435

Sweetspot

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



40.4715, 0.4190, 0.3044



77.5882, 0.3338, 0.3220



40.9203, 0.2970, 0.2051



15.9502, 0.3376, 0.3209



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.



40.4715, 0.4190, 0.3044



34.1780, 0.4524, 0.3009



51.5523, 0.4259, 0.3674



18.0454, 0.3263, 0.3243



11.2462, 0.6089, 0.3128



1.1095, 0.5793, 0.2965

Inverse Universe

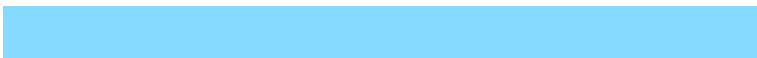
The Inverse Universe completely reimagines the original color for something new.



40.4715, 0.4190, 0.3044



34.1780, 0.4524, 0.3009



62.5511, 0.2412, 0.2852



18.0454, 0.3263, 0.3243



11.2462, 0.6089, 0.3128



1.1095, 0.5793, 0.2965

Previews

White Background



This preview shows how the Yxy color 40.4694, 0.4190, 0.3044 looks on a white background.

Color Contrast Check

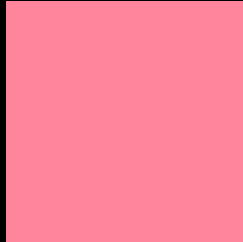
Large Text (above 18pt) WCAG AA × Fail

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 40.4694, 0.4190, 0.3044 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 40.4694, 0.4190, 0.3044

Background



This preview shows how black text looks on a background with the Yxy color 40.4694, 0.4190, 0.3044.



This preview shows how white text looks on a background with the Yxy color 40.4694, 0.4190, 0.3044.

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

40.4694, 0.4190, 0.3044

Protanopia

40.7345, 0.3078, 0.3181

Deuteranopia

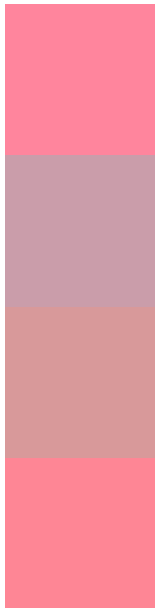
40.6466, 0.3524, 0.3463



Tritanopia

40.4431, 0.4310, 0.3189

Trichromacy



Original Color

40.4694, 0.4190, 0.3044

Protanomaly

39.5728, 0.3449, 0.3126

Deuteranomaly

39.7145, 0.3761, 0.3280

Tritanomaly

40.2910, 0.4269, 0.3137

Monochromacy



Original Color

40.4694, 0.4190, 0.3044

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

39.8003, 0.3476, 0.3176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4694, 0.4190, 0.3044 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, 133, 157)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 157)  
}
```

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, 133, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 157) }
```

Border

The CSS property to change the border of an element to Yxy 40.4694, 0.4190, 0.3044 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, 133, 157) }
```

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

```
.border{ border-color:rgb(255, 133, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 133, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 157);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4694, 0.4190, 0.3044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 133, 157) }
```

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

```
.background{ background-color: rgb(255,  
133, 157) }
```

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