

Converting Colors

$Y_{xy}(40.6681, 0.4092, 0.2949)$

Have a look what the booklet for
Yxy(40.6681, 0.4092, 0.2949)
contains.

Yxy(40.7882, 0.4087, 0.2950)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.7882, 0.4087, 0.2950)

Conversions

Conversions Part 1

Format	Color
Hex	FF85A6
RGB	255, 133, 166
RGB Percent	100%, 52%, 65%
CMY	0.0000, 0.4784, 0.3490
CMYK	0.00, 0.48, 0.35, 0.00
HSL	344°, 100%, 76%
HSV	344°, 48%, 100%
XYZ	56.5089, 40.7882, 40.9679
YIQ	173.2400, 62.1190, 36.1270

Conversions

Conversions Part 2

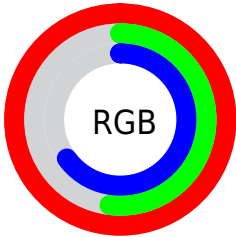
Format	Color
R_{YB}	255, 133, 166
Decimal	16745894
CIE _{Lab}	70.03, 49.63, 3.94
CIE _{LCh}	70, 49.781, 4.536
Yxy	40.7882, 0.4087, 0.2950
Android (android.graphics.Color)	4294935974 (0xFFFF85A6)
YUV	173.2400, -3.5693, 71.7035
Hunter-Lab	63.8656, 46.1737, 6.6731

Details

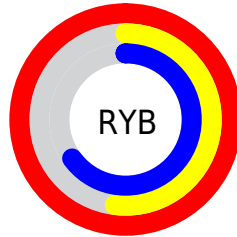
The Yxy color **40.7882, 0.4087, 0.2950** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **81.7796, 0.2638, 0.3680**, and the grayscale version is **41.9144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.8757, 0.3418, 0.2965**, and **18.4090, 0.4378, 0.2844** is the 20% darker color. If you saturate the color by 10%, you get **34.0004, 0.4415, 0.2895**, and if you desaturate by 10%, it is **49.3734, 0.3807, 0.3019**.

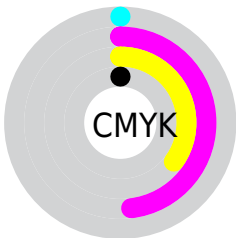
Distribution



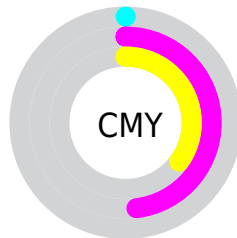
- Red (100%)
- Green (52%)
- Blue (65%)



- Red (100%)
- Yellow (52%)
- Blue (65%)



- Cyan (0%)
- Magenta (48%)
- Yellow (35%)
- Black (0%)




- Cyan (0%)
- Magenta (48%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7882, 0.4087, 0.2950 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 40.7882, 0.4087, 0.2950 by changing the saturation by 10% instead.


 40.7882, 0.4087,
0.2950


 40.7882, 0.4087,
0.2950


349.4346, 0.3596,
0.3128


 28.1536, 0.4212,
0.2903


 76.3623, 0.3906,
0.3017

 18.4415, 0.4374,
0.2842


 100.0706, 0.3839,
0.3041

 11.2674, 0.4592,
0.2758

 128.2389, 0.3783,
0.3062

 6.2470, 0.4898,
0.2637

161.2516, 0.3734,
0.3079

 2.9959, 0.5355,
0.2452

199.4931, 0.3693,
0.3094

 1.1296, 0.6096,
0.2138

243.3479, 0.3656,

 0.0030, 0.9976,

0.3107

0.0024

293.2003, 0.3624,
0.3118

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

40.7882, 0.4087,
0.2950

40.7882, 0.4087,
0.2950

34.0004, 0.4415,
0.2895

49.3734, 0.3807,
0.3019

28.8749, 0.4782,
0.2864

59.8659, 0.3574,
0.3092

25.2672, 0.5168,
0.2870

72.3744, 0.3383,
0.3166

23.0052, 0.5537,
0.2919

86.9971, 0.3228,
0.3237

■ 21.8596, 0.5851,
0.3009

99.9993, 0.3127,
0.3290

■ 21.6883, 0.5911,
0.3030

Harmonies

Analogous

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



40.7882, 0.3374, 0.2518



40.7882, 0.4087, 0.2950



40.7882, 0.4521, 0.3472

Triad

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



40.7882, 0.4087, 0.2950



40.7882, 0.3467, 0.4625



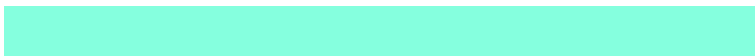
40.7882, 0.1891, 0.2379

Complementary

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



40.7882, 0.4087, 0.2950



81.7796, 0.2638, 0.3680

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.



40.7882, 0.1908, 0.2853



40.7882, 0.4087, 0.2950



40.7882, 0.2772, 0.4297

Square

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



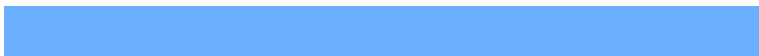
40.7882, 0.4087, 0.2950



40.7882, 0.4107, 0.4462



40.7882, 0.2209, 0.3577



40.7882, 0.2147, 0.2189

Rectangle

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



40.7882, 0.4087, 0.2950



40.7882, 0.4564, 0.3834



40.7882, 0.2209, 0.3577



40.7882, 0.1866, 0.2504

Sweetspot

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



40.7903, 0.4087, 0.2950



77.7342, 0.3320, 0.3194



39.2812, 0.2882, 0.2019



15.9854, 0.3355, 0.3179



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.



40.7903, 0.4087, 0.2950



34.5049, 0.4386, 0.2899



47.9012, 0.4317, 0.3568



18.0677, 0.3252, 0.3226



11.3542, 0.5870, 0.3007



1.1228, 0.5552, 0.2832

Inverse Universe

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



40.7903, 0.4087, 0.2950



34.5049, 0.4386, 0.2899



68.0059, 0.2435, 0.2977



18.0677, 0.3252, 0.3226



11.3542, 0.5870, 0.3007



1.1228, 0.5552, 0.2832

Previews

White Background



This preview shows how the Yxy color 40.7882, 0.4087, 0.2950 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 40.7882, 0.4087, 0.2950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

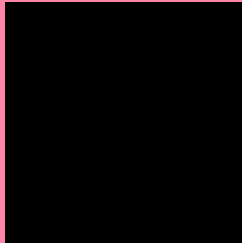
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7882, 0.4087, 0.2950

Background



This preview shows how black text looks on a background with the Yxy color 40.7882, 0.4087, 0.2950.



This preview shows how white text looks on a background with the Yxy color 40.7882, 0.4087, 0.2950.

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

40.7882, 0.4087, 0.2950

Protanopia

40.9263, 0.2980, 0.3047

Deuteranopia

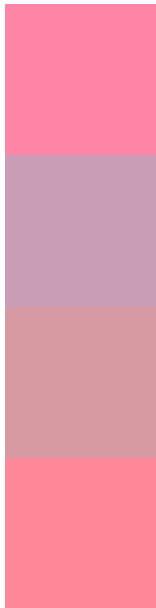
41.0521, 0.3418, 0.3357



Tritanopia

40.8493, 0.4279, 0.3199

Trichromacy



Original Color

40.7882, 0.4087, 0.2950

Protanomaly

39.8267, 0.3344, 0.3000

Deuteranomaly

40.2026, 0.3655, 0.3181

Tritanomaly

40.9791, 0.4214, 0.3116

Monochromacy



Original Color

40.7882, 0.4087, 0.2950

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

40.0525, 0.3457, 0.3139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7882, 0.4087, 0.2950 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 166)  
}
```

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, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 166) }
```

Border

The CSS property to change the border of an element to Yxy 40.7882, 0.4087, 0.2950 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, 166) }
```

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

```
.border{ border-color:rgb(255, 133, 166) }
```

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, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7882, 0.4087, 0.2950 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, 166) }
```

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

```
.background{ background-color: rgb(255,  
133, 166) }
```

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