

Converting Colors

$Y_{xy}(50.7291, 0.3432, 0.2782)$

Have a look what the booklet for
Yxy(50.7291, 0.3432, 0.2782)
contains.

Yxy(50.8968, 0.3435, 0.2791)	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(50.8968, 0.3435, 0.2791)

Conversions

Conversions Part 1

Format	Color
Hex	F4A5D4
RGB	244, 165, 212
RGB Percent	96%, 65%, 83%
CMY	0.0433, 0.3529, 0.1685
CMYK	0.00, 0.32, 0.13, 0.04
HSL	324°, 78%, 80%
HSV	324°, 32%, 96%
XYZ	62.6408, 50.8968, 68.8228
YIQ	193.9790, 31.9970, 31.3650

Conversions

Conversions Part 2

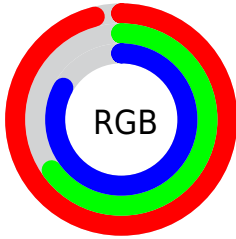
Format	Color
R_{YB}	244, 165, 212
Decimal	16033236
CIE _{Lab}	76.62, 35.91, -11.96
CIE _{LCh}	77, 37.850, 341.584
Yxy	50.8968, 0.3435, 0.2791
Android (android.graphics.Color)	4294223316 (0xFFF4A5D4)
YUV	193.9790, 8.8844, 43.8684
Hunter-Lab	71.3420, 31.8809, -7.2570

Details

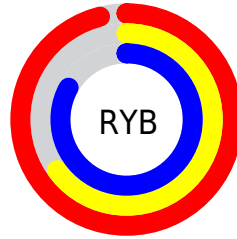
The Yxy color **50.8968, 0.3435, 0.2791** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **76.7139, 0.2908, 0.3851**, and the grayscale version is **53.8696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1929, 0.3143, 0.2960**, and **24.5875, 0.3523, 0.2675** is the 20% darker color. If you saturate the color by 10%, you get **42.4373, 0.3568, 0.2636**, and if you desaturate by 10%, it is **61.0701, 0.3321, 0.2950**.

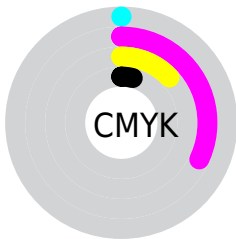
Distribution



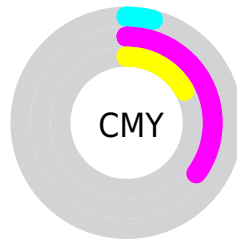
- Red (96%)
- Green (65%)
- Blue (83%)



- Red (96%)
- Yellow (65%)
- Blue (83%)



- Cyan (0%)
- Magenta (32%)
- Yellow (13%)
- Black (4%)





- Cyan (4%)
- Magenta (35%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8968, 0.3435, 0.2791 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 50.8968, 0.3435, 0.2791 by changing the saturation by 10% instead.


 50.8968, 0.3435,
0.2791


 50.8968, 0.3435,
0.2791


390.1627, 0.3288,
0.3026

 36.1265, 0.3469,
0.2736


 91.5022, 0.3383,
0.2874

 24.5319, 0.3513,
0.2668


 118.1061, 0.3363,
0.2905

 15.7286, 0.3568,
0.2581


149.4233, 0.3346,
0.2933

 9.3323, 0.3642,
0.2466

185.8382, 0.3332,
0.2956

 4.9586, 0.3746,
0.2306

227.7352, 0.3319,
0.2977

 2.2230, 0.3900,
0.2074

275.4987, 0.3308,

 0.7325, 0.4161,

0.2996

0.1689

329.5130, 0.3297,
0.3012

0.0000, 0.5488,
0.0000

0.0000, 0.0000,
0.0000

50.8968, 0.3435,
0.2791

50.8968, 0.3435,
0.2791

42.4373, 0.3568,
0.2636

61.0701, 0.3321,
0.2950

35.5883, 0.3719,
0.2492

73.0388, 0.3225,
0.3106

30.2462, 0.3889,
0.2372

86.8878, 0.3144,
0.3256

26.2923, 0.4071,
0.2286

97.7449, 0.3079,
0.3324

■ 23.5899, 0.4261,
0.2246

■ 97.9676, 0.3059,
0.3290

■ 21.9740, 0.4449,
0.2260

■ 21.2794, 0.4588,
0.2301

Harmonies

Analogous

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



50.8968, 0.2913, 0.2552



50.8968, 0.3435, 0.2791



50.8968, 0.3900, 0.3143

Triad

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



50.8968, 0.3435, 0.2791



50.8968, 0.3754, 0.4184



50.8968, 0.2209, 0.2898

Complementary

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



50.8968, 0.3435, 0.2791



76.7139, 0.2908, 0.3851

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.



50.8968, 0.2396, 0.3377



50.8968, 0.3435, 0.2791



50.8968, 0.3275, 0.4187

Square

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



50.8968, 0.3435, 0.2791



50.8968, 0.4080, 0.3928



50.8968, 0.2778, 0.3878



50.8968, 0.2243, 0.2585

Rectangle

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



50.8968, 0.3435, 0.2791



50.8968, 0.4093, 0.3411



50.8968, 0.2778, 0.3878



50.8968, 0.2247, 0.3044

Sweetspot

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



50.8991, 0.3435, 0.2791



84.1488, 0.3205, 0.3142



45.2631, 0.2781, 0.2389



17.5711, 0.3217, 0.3120



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.



50.8991, 0.3435, 0.2791



49.7799, 0.3522, 0.2686



49.1584, 0.3801, 0.3205



16.6481, 0.3200, 0.3150



11.6017, 0.4560, 0.2286



1.0400, 0.4344, 0.2167

Inverse Universe

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



50.8991, 0.3435, 0.2791



49.7799, 0.3522, 0.2686



78.7446, 0.2704, 0.3379



16.6481, 0.3200, 0.3150



11.6017, 0.4560, 0.2286



1.0400, 0.4344, 0.2167

Previews

White Background



This preview shows how the Yxy color 50.8968, 0.3435, 0.2791 looks on a white background.

Color Contrast Check

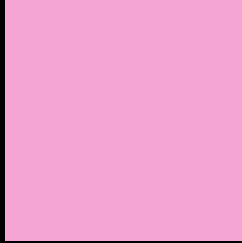
Large Text (above 18pt) WCAG AA × Fail

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 50.8968, 0.3435, 0.2791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

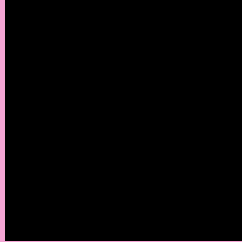
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.8968, 0.3435, 0.2791

Background



This preview shows how black text looks on a background with the Yxy color 50.8968, 0.3435, 0.2791.



This preview shows how white text looks on a background with the Yxy color 50.8968, 0.3435, 0.2791.

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

50.8968, 0.3435, 0.2791

Protanopia

51.3362, 0.2795, 0.2819

Deuteranopia

51.0265, 0.3059, 0.2990



Tritanopia

50.8691, 0.3664, 0.3149

Trichromacy



Original Color

50.8968, 0.3435, 0.2791



Protanomaly

50.7538, 0.3003, 0.2801



Deuteranomaly

50.5445, 0.3188, 0.2909



Tritanomaly

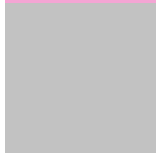
50.7776, 0.3576, 0.3008

Monochromacy



Original Color

50.8968, 0.3435, 0.2791



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

52.0811, 0.3230, 0.3079

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8968, 0.3435, 0.2791 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(244, 165, 212)` looks like.

```
.text, #text, p{  
    color:rgb(244, 165, 212)  
}
```

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(244, 165, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 165, 212) }
```

Border

The CSS property to change the border of an element to Yxy 50.8968, 0.3435, 0.2791 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(244, 165, 212) }
```

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

```
.border{ border-color:rgb(244, 165, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 165, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 165, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 165, 212);  
box-shadow:4px 4px 4px 4px rgb(244, 165,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8968, 0.3435, 0.2791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 165, 212) }
```

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

```
.background{ background-color: rgb(244,  
165, 212) }
```

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