

Converting Colors

$Yxy(67.6473, 0.3431, 0.3116)$

Have a look what the booklet for
Yxy(67.6473, 0.3431, 0.3116)
contains.

Yxy(67.5783, 0.3433, 0.3118)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.5783, 0.3433, 0.3118)

Conversions

Conversions Part 1

Format	Color
Hex	FFC8D9
RGB	255, 200, 217
RGB Percent	100%, 78%, 85%
CMY	0.0002, 0.2156, 0.1491
CMYK	0.00, 0.22, 0.15, 0.00
HSL	341°, 100%, 89%
HSV	341°, 22%, 100%
XYZ	74.4055, 67.5783, 74.7523
YIQ	218.3830, 27.3230, 16.9470

Conversions

Conversions Part 2

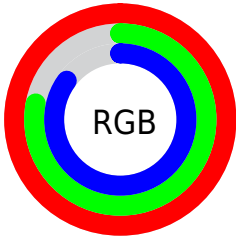
Format	Color
R _Y B	255, 200, 217
Decimal	16763097
CIE Lab	85.80, 22.04, -0.93
CIE LCh	86, 22.061, 357.594
Yxy	67.5783, 0.3433, 0.3118
Android (android.graphics.Color)	4294953177 (0xFFFFC8D9)
YUV	218.3830, -0.6818, 32.1131
Hunter-Lab	82.2060, 17.7016, 3.6301

Details

The Yxy color **67.5783, 0.3433, 0.3118** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **89.9517, 0.2893, 0.3470**, and the grayscale version is **70.3793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.1722, 0.3513, 0.3082** is the 20% darker color. If you saturate the color by 10%, you get **55.8693, 0.3627, 0.3033**, and if you desaturate by 10%, it is **81.3606, 0.3274, 0.3201**.

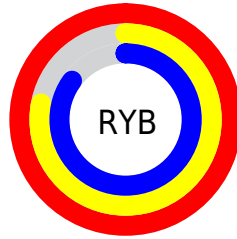
Distribution



Red (100%)

Green (78%)

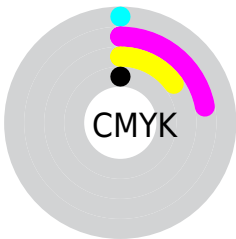
Blue (85%)



Red (100%)

Yellow (78%)

Blue (85%)

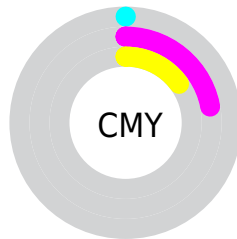


Cyan (0%)

Magenta (22%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (22%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.5783, 0.3433, 0.3118 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 67.5783, 0.3433, 0.3118 by changing the saturation by 10% instead.

 67.5783, 0.3433,
0.3118

 67.5783, 0.3433,
0.3118


452.0005, 0.3290,
0.3198

 49.5547, 0.3466,
0.3099


115.7487, 0.3383,
0.3146

 35.0597, 0.3507,
0.3076


146.6643, 0.3364,
0.3157

 23.7089, 0.3560,
0.3047

182.6460, 0.3347,
0.3166

 15.1178, 0.3630,
0.3008

224.0782, 0.3332,
0.3174

 8.9021, 0.3726,
0.2955

271.3454, 0.3320,
0.3181

 4.6774, 0.3867,
0.2878

324.8319, 0.3309,

 2.0592, 0.4094,

0.3188

0.2754

384.9221, 0.3299,
0.3193

0.6416, 0.4579,
0.2476

0.0000, 1.0000,
0.0000

67.5783, 0.3433,
0.3118

67.5783, 0.3433,
0.3118

55.8693, 0.3627,
0.3033

81.3606, 0.3274,
0.3201

46.1238, 0.3863,
0.2950

97.3009, 0.3145,
0.3278

38.2358, 0.4143,
0.2876

99.9927, 0.3127,
0.3290

32.0854, 0.4466,
0.2819

■ 27.5388, 0.4821,
0.2793

■ 24.4419, 0.5186,
0.2809

■ 22.6102, 0.5530,
0.2874

■ 21.8126, 0.5781,
0.2958

Harmonies

Analogous

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



67.5783, 0.3166, 0.2941



67.5783, 0.3433, 0.3118



67.5783, 0.3620, 0.3341

Triad

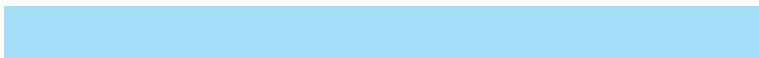
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.5783, 0.3433, 0.3118



67.5783, 0.3342, 0.3774



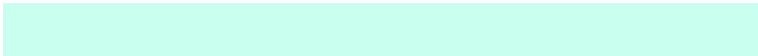
67.5783, 0.2615, 0.2986

Complementary

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



67.5783, 0.3433, 0.3118



89.9517, 0.2893, 0.3470

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.



67.5783, 0.2658, 0.3206



67.5783, 0.3433, 0.3118



67.5783, 0.3071, 0.3679

Square

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



67.5783, 0.3433, 0.3118



67.5783, 0.3563, 0.3725



67.5783, 0.2822, 0.3465



67.5783, 0.2701, 0.2859

Rectangle

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



67.5783, 0.3433, 0.3118



67.5783, 0.3669, 0.3492



67.5783, 0.2822, 0.3465



67.5783, 0.2614, 0.3051

Sweetspot

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



67.5814, 0.3433, 0.3118



89.9610, 0.3199, 0.3244



66.6395, 0.3025, 0.2731



19.0318, 0.3208, 0.3239



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.



67.5814, 0.3433, 0.3118



62.1376, 0.3515, 0.3080



71.5648, 0.3544, 0.3395



18.0794, 0.3245, 0.3217



11.4248, 0.5738, 0.2935



1.1310, 0.5418, 0.2758

Inverse Universe

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



67.5814, 0.3433, 0.3118



62.1376, 0.3515, 0.3080



84.7384, 0.2798, 0.3183



18.0794, 0.3245, 0.3217



11.4248, 0.5738, 0.2935



1.1310, 0.5418, 0.2758

Previews

White Background



This preview shows how the Yxy color 67.5783, 0.3433, 0.3118 looks on a white background.

Color Contrast Check

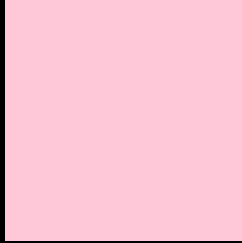
Large Text (above 18pt) WCAG AA × Fail

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 67.5783, 0.3433, 0.3118 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 67.5783, 0.3433, 0.3118

Background



This preview shows how black text looks on a background with the Yxy color 67.5783, 0.3433, 0.3118.

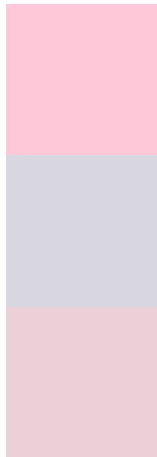


This preview shows how white text looks on a background with the Yxy color 67.5783, 0.3433, 0.3118.

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

67.5783, 0.3433, 0.3118

Protanopia

68.1283, 0.3068, 0.3169

Deuteranopia

67.6802, 0.3282, 0.3216



Tritanopia

67.5264, 0.3441, 0.3128

Trichromacy



Original Color

67.5783, 0.3433, 0.3118

Protanomaly

67.6978, 0.3193, 0.3151

Deuteranomaly

67.4978, 0.3332, 0.3175

Tritanomaly

67.5264, 0.3441, 0.3128

Monochromacy



Original Color

67.5783, 0.3433, 0.3118

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

68.6394, 0.3228, 0.3215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.5783, 0.3433, 0.3118 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, 200, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 217)  
}
```

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, 200, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 217) }
```

Border

The CSS property to change the border of an element to Yxy 67.5783, 0.3433, 0.3118 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, 200, 217) }
```

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

```
.border{ border-color:rgb(255, 200, 217) }
```

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

Here you see how a box with a 4 pixel rgb(255, 200, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 67.5783, 0.3433, 0.3118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 200, 217) }
```

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

```
.background{ background-color: rgb(255,  
200, 217) }
```

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