

Converting Colors

$Y_{xy}(100.0000, 0.4348, 0.3155)$

Have a look what the booklet for
Yxy(100.0000, 0.4348, 0.3155)
contains.

Yxy(67.2213, 0.3419, 0.3087)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.2213, 0.3419, 0.3087)

Conversions

Conversions Part 1

Format	Color
Hex	FFC7DB
RGB	255, 199, 219
RGB Percent	100%, 78%, 86%
CMY	0.0000, 0.2196, 0.1411
CMYK	0.00, 0.22, 0.14, 0.00
HSL	339°, 100%, 89%
HSV	339°, 22%, 100%
XYZ	74.4508, 67.2213, 76.0840
YIQ	218.0240, 26.9560, 18.0920

Conversions

Conversions Part 2

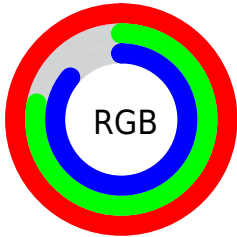
Format	Color
R _Y B	255, 199, 219
Decimal	16762843
CIE Lab	85.62, 22.91, -2.28
CIE LCh	86, 23.022, 354.323
Yxy	67.2213, 0.3419, 0.3087
Android (android.graphics.Color)	4294952923 (0xFFFFC7DB)
YUV	218.0240, 0.4812, 32.4280
Hunter-Lab	81.9886, 18.6092, 2.3719

Details

The Yxy color $67.2213, 0.3419, 0.3087$ is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be $89.6578, 0.2903, 0.3503$, and the grayscale version is $70.1136, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $34.9369, 0.3494, 0.3043$ is the 20% darker color. If you saturate the color by 10%, you get $55.6354, 0.3600, 0.2989$, and if you desaturate by 10%, it is $80.8642, 0.3270, 0.3183$.

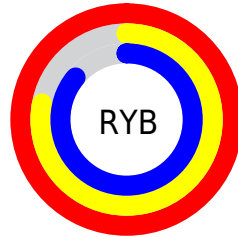
Distribution



Red (100%)

Green (78%)

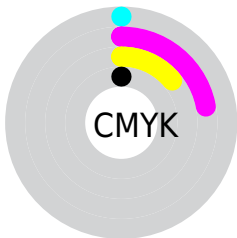
Blue (86%)



Red (100%)

Yellow (78%)

Blue (86%)

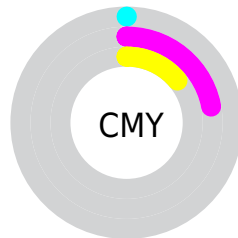


Cyan (0%)

Magenta (22%)

Yellow (14%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.2213, 0.3419, 0.3087 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 67.2213, 0.3419, 0.3087 by changing the saturation by 10% instead.


 67.2213, 0.3419,
0.3087

 67.2213, 0.3419,
0.3087


450.7321, 0.3282,
0.3181

 49.2645, 0.3451,
0.3065


115.2375, 0.3371,
0.3120

 34.8293, 0.3490,
0.3039


146.0656, 0.3353,
0.3133

 23.5314, 0.3540,
0.3004


181.9530, 0.3337,
0.3144

 14.9864, 0.3606,
0.2960

223.2840, 0.3323,
0.3153

 8.8098, 0.3697,
0.2899

270.4430, 0.3311,
0.3161

 4.6174, 0.3830,
0.2810

323.8144, 0.3301,

 2.0246, 0.4044,

0.3169

0.2670

383.7826, 0.3291,
0.3175

0.6217, 0.4493,
0.2349

0.0000, 1.0000,
0.0000

67.2213, 0.3419,
0.3087

67.2213, 0.3419,
0.3087

55.6354, 0.3600,
0.2989

80.8642, 0.3270,
0.3183

45.9972, 0.3819,
0.2893

96.6484, 0.3148,
0.3273

38.2006, 0.4078,
0.2806

99.9994, 0.3127,
0.3290

32.1261, 0.4375,
0.2739

■ 27.6399, 0.4701,
0.2705

■ 24.5877, 0.5040,
0.2715

■ 22.7842, 0.5363,
0.2776

■ 22.0176, 0.5597,
0.2857

Harmonies

Analogous

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



67.2213, 0.3136, 0.2910



67.2213, 0.3419, 0.3087



67.2213, 0.3627, 0.3317

Triad

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



67.2213, 0.3419, 0.3087



67.2213, 0.3381, 0.3798



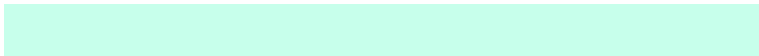
67.2213, 0.2591, 0.2992

Complementary

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



67.2213, 0.3419, 0.3087



89.6578, 0.2903, 0.3503

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.



67.2213, 0.2650, 0.3230



67.2213, 0.3419, 0.3087



67.2213, 0.3099, 0.3716

Square

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



67.2213, 0.3419, 0.3087



67.2213, 0.3601, 0.3731



67.2213, 0.2833, 0.3502



67.2213, 0.2666, 0.2849

Rectangle

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



67.2213, 0.3419, 0.3087



67.2213, 0.3690, 0.3475



67.2213, 0.2833, 0.3502



67.2213, 0.2595, 0.3063

Sweetspot

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



67.2243, 0.3419, 0.3087



88.4185, 0.3207, 0.3228



65.6405, 0.3003, 0.2716



18.7223, 0.3214, 0.3223



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

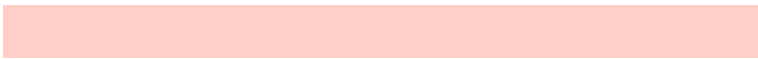
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.2243, 0.3419, 0.3087



62.3001, 0.3488, 0.3048



69.7528, 0.3560, 0.3368



18.0944, 0.3238, 0.3205



11.5308, 0.5554, 0.2833



1.1427, 0.5240, 0.2660

Inverse Universe

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



67.2243, 0.3419, 0.3087



62.3001, 0.3488, 0.3048



86.2096, 0.2794, 0.3210



18.0944, 0.3238, 0.3205



11.5308, 0.5554, 0.2833



1.1427, 0.5240, 0.2660

Previews

White Background



This preview shows how the Yxy color 67.2213, 0.3419, 0.3087 looks on a white background.

Color Contrast Check

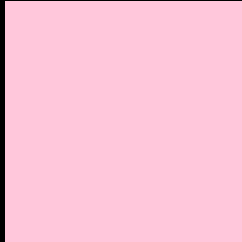
Large Text (above 18pt) WCAG AA × Fail

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 67.2213, 0.3419, 0.3087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

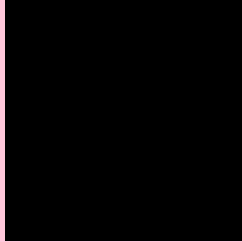
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.2213, 0.3419, 0.3087

Background



This preview shows how black text looks on a background with the Yxy color 67.2213, 0.3419, 0.3087.

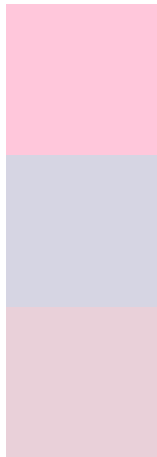


This preview shows how white text looks on a background with the Yxy color 67.2213, 0.3419, 0.3087.

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

67.2213, 0.3419, 0.3087

Protanopia

67.4307, 0.3041, 0.3135

Deuteranopia

67.4451, 0.3253, 0.3194



Tritanopia

67.4748, 0.3449, 0.3138

Trichromacy



Original Color

67.2213, 0.3419, 0.3087

Protanomaly

67.1516, 0.3173, 0.3118

Deuteranomaly

67.4254, 0.3310, 0.3154

Tritanomaly

67.5264, 0.3441, 0.3128

Monochromacy



Original Color

67.2213, 0.3419, 0.3087

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 67.2213, 0.3419, 0.3087 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, 199, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 219)  
}
```

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, 199, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 219) }
```

Border

The CSS property to change the border of an element to Yxy 67.2213, 0.3419, 0.3087 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, 199, 219) }
```

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

```
.border{ border-color:rgb(255, 199, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 67.2213, 0.3419, 0.3087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 219) }
```

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

```
.background{ background-color: rgb(255,  
199, 219) }
```

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