

Converting Colors

$Y_{xy}(67.0799, 0.3440, 0.3114)$

Have a look what the booklet for
Yxy(67.0799, 0.3440, 0.3114)
contains.

Yxy(67.0647, 0.3442, 0.3117)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.0647, 0.3442, 0.3117)

Conversions

Conversions Part 1

Format	Color
Hex	FFC7D8
RGB	255, 199, 216
RGB Percent	100%, 78%, 85%
CMY	0.0001, 0.2196, 0.1528
CMYK	0.00, 0.22, 0.15, 0.00
HSL	342°, 100%, 89%
HSV	342°, 22%, 100%
XYZ	74.0573, 67.0647, 74.0358
YIQ	217.6820, 27.9190, 17.1590

Conversions

Conversions Part 2

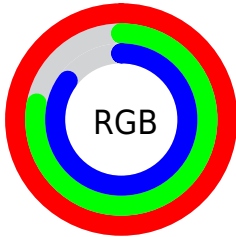
Format	Color
R _Y B	255, 199, 216
Decimal	16762840
CIE Lab	85.54, 22.44, -0.81
CIE LCh	86, 22.451, 357.942
Yxy	67.0647, 0.3442, 0.3117
Android (android.graphics.Color)	4294952920 (0xFFFFC7D8)
YUV	217.6820, -0.8292, 32.7279
Hunter-Lab	81.8930, 18.1079, 3.7237

Details

The Yxy color $67.0647, 0.3442, 0.3117$ is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be $89.8219, 0.2888, 0.3471$, and the grayscale version is $69.8746, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $34.8298, 0.3526, 0.3082$ is the 20% darker color. If you saturate the color by 10%, you get $55.4314, 0.3639, 0.3033$, and if you desaturate by 10%, it is $80.7690, 0.3281, 0.3199$.

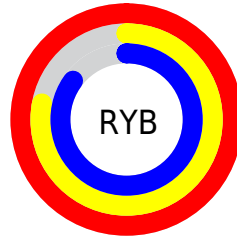
Distribution



Red (100%)

Green (78%)

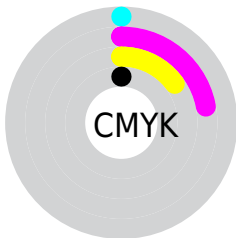
Blue (85%)



Red (100%)

Yellow (78%)

Blue (85%)

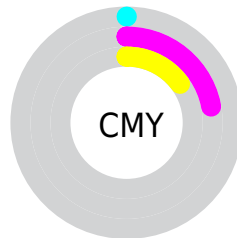


Cyan (0%)

Magenta (22%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (22%)

Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.0647, 0.3442, 0.3117 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 67.0647, 0.3442, 0.3117 by changing the saturation by 10% instead.

 67.0647, 0.3442,
0.3117

 67.0647, 0.3442,
0.3117


450.1750, 0.3294,
0.3198

 49.1372, 0.3476,
0.3098

115.0131, 0.3390,
0.3145

 34.7283, 0.3519,
0.3075


145.8028, 0.3370,
0.3156

 23.4537, 0.3573,
0.3045


181.6487, 0.3353,
0.3166

 14.9289, 0.3645,
0.3006

222.9352, 0.3338,
0.3174

 8.7695, 0.3745,
0.2952

270.0467, 0.3325,
0.3181

 4.5911, 0.3892,
0.2873

323.3676, 0.3314,

 2.0094, 0.4128,

0.3187

0.2746

383.2822, 0.3303,
0.3193

0.6129, 0.4656,
0.2451

0.0000, 1.0000,
0.0000

67.0647, 0.3442,
0.3117

67.0647, 0.3442,
0.3117

55.4314, 0.3639,
0.3033

80.7690, 0.3281,
0.3199

45.7588, 0.3878,
0.2952

96.6291, 0.3150,
0.3276

37.9405, 0.4162,
0.2879

99.9966, 0.3127,
0.3290

31.8561, 0.4489,
0.2824

■ 27.3708, 0.4847,
0.2801

■ 24.3295, 0.5215,
0.2819

■ 22.5461, 0.5558,
0.2886

■ 21.8009, 0.5796,
0.2966

Harmonies

Analogous

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



67.0647, 0.3170, 0.2936



67.0647, 0.3442, 0.3117



67.0647, 0.3631, 0.3345

Triad

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



67.0647, 0.3442, 0.3117



67.0647, 0.3343, 0.3784



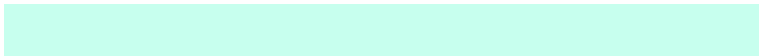
67.0647, 0.2605, 0.2977

Complementary

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



67.0647, 0.3442, 0.3117



89.8219, 0.2888, 0.3471

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.



67.0647, 0.2647, 0.3201



67.0647, 0.3442, 0.3117



67.0647, 0.3066, 0.3686

Square

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



67.0647, 0.3442, 0.3117



67.0647, 0.3570, 0.3735



67.0647, 0.2813, 0.3466



67.0647, 0.2694, 0.2850

Rectangle

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



67.0647, 0.3442, 0.3117



67.0647, 0.3680, 0.3499



67.0647, 0.2813, 0.3466



67.0647, 0.2604, 0.3043

Sweetspot

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



67.0677, 0.3442, 0.3117



88.3611, 0.3212, 0.3237



66.1187, 0.3023, 0.2720



18.7090, 0.3220, 0.3233



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.



67.0677, 0.3442, 0.3117



62.1236, 0.3517, 0.3083



71.1145, 0.3554, 0.3397



18.0781, 0.3246, 0.3218



11.4164, 0.5753, 0.2943



1.1300, 0.5433, 0.2767

Inverse Universe

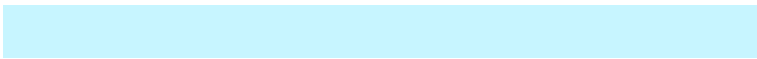
The Inverse Universe completely reimagines the original color for something new.



67.0677, 0.3442, 0.3117



62.1236, 0.3517, 0.3083



84.4980, 0.2792, 0.3181



18.0781, 0.3246, 0.3218



11.4164, 0.5753, 0.2943



1.1300, 0.5433, 0.2767

Previews

White Background



This preview shows how the Yxy color 67.0647, 0.3442, 0.3117 looks on a white background.

Color Contrast Check

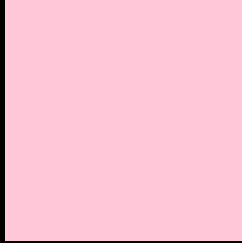
Large Text (above 18pt) WCAG AA × Fail

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 67.0647, 0.3442, 0.3117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

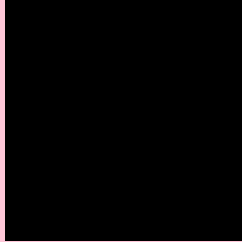
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.0647, 0.3442, 0.3117

Background



This preview shows how black text looks on a background with the Yxy color 67.0647, 0.3442, 0.3117.

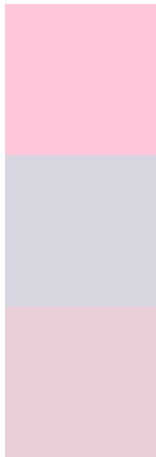


This preview shows how white text looks on a background with the Yxy color 67.0647, 0.3442, 0.3117.

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

67.0647, 0.3442, 0.3117

Protanopia

67.4174, 0.3068, 0.3168

Deuteranopia

66.9731, 0.3283, 0.3215



Tritanopia

67.0131, 0.3450, 0.3128

Trichromacy



Original Color

67.0647, 0.3442, 0.3117

Protanomaly

67.1552, 0.3201, 0.3150

Deuteranomaly

66.9693, 0.3341, 0.3175

Tritanomaly

67.0131, 0.3450, 0.3128

Monochromacy



Original Color

67.0647, 0.3442, 0.3117

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

68.5872, 0.3235, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.0647, 0.3442, 0.3117 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, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 216)  
}
```

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, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 216) }
```

Border

The CSS property to change the border of an element to Yxy 67.0647, 0.3442, 0.3117 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, 216) }
```

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

```
.border{ border-color:rgb(255, 199, 216) }
```

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, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 67.0647, 0.3442, 0.3117 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, 216) }
```

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

```
.background{ background-color: rgb(255,  
199, 216) }
```

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