

Converting Colors

$Y_{xy}(66.7033, 0.3366, 0.2994)$

Have a look what the booklet for
Yxy(66.7033, 0.3366, 0.2994)
contains.

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Color

Yxy(66.6835, 0.3368, 0.2997)

Conversions

Conversions Part 1

Format	Color
Hex	FFC5E2
RGB	255, 197, 226
RGB Percent	100%, 77%, 89%
CMY	0.0000, 0.2275, 0.1137
CMYK	0.00, 0.23, 0.11, 0.00
HSL	330°, 100%, 89%
HSV	330°, 23%, 100%
XYZ	74.9383, 66.6835, 80.8791
YIQ	217.6480, 25.2590, 21.3150

Conversions

Conversions Part 2

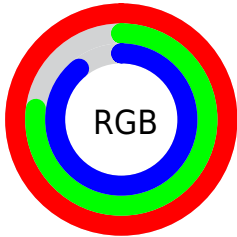
Format	Color
R _Y B	255, 197, 226
Decimal	16762338
CIE Lab	85.34, 25.08, -6.40
CIE LCh	85, 25.887, 345.690
Yxy	66.6835, 0.3368, 0.2997
Android (android.graphics.Color)	4294952418 (0xFFFFC5E2)
YUV	217.6480, 4.1175, 32.7577
Hunter-Lab	81.6600, 20.9022, -1.5610

Details

The Yxy color $66.6835, 0.3368, 0.2997$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $88.8807, 0.2940, 0.3603$, and the grayscale version is $69.8138, 0.3127, 0.3290$.

A 20% lighter version of the original color is $99.3636, 0.3128, 0.3281$, and $34.5910, 0.3425, 0.2928$ is the 20% darker color. If you saturate the color by 10%, you get $55.3924, 0.3510, 0.2862$, and if you desaturate by 10%, it is $79.9858, 0.3249, 0.3130$.

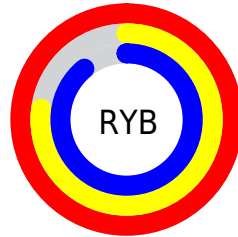
Distribution



Red (100%)

Green (77%)

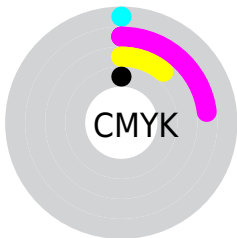
Blue (89%)



Red (100%)

Yellow (77%)

Blue (89%)

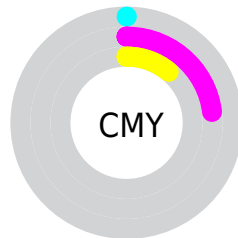


Cyan (0%)

Magenta (23%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (23%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.6835, 0.3368, 0.2997 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 66.6835, 0.3368, 0.2997 by changing the saturation by 10% instead.


 66.6835, 0.3368,
0.2997

 66.6835, 0.3368,
0.2997


448.8174, 0.3256,
0.3132

 48.8275, 0.3394,
0.2967


114.4668, 0.3329,
0.3043

 34.4826, 0.3425,
0.2929


145.1628, 0.3314,
0.3062

 23.2646, 0.3465,
0.2882


180.9076, 0.3301,
0.3077

 14.7890, 0.3518,
0.2820

222.0856, 0.3290,
0.3091

 8.6714, 0.3590,
0.2737

269.0812, 0.3280,
0.3103

 4.5275, 0.3694,
0.2618

322.2788, 0.3271,

 1.9728, 0.3857,

0.3114

0.2435

382.0627, 0.3263,
0.3123

0.5916, 0.4195,
0.2034

0.0000, 1.0000,
0.0000

66.6835, 0.3368,
0.2997

66.6835, 0.3368,
0.2997

55.3924, 0.3510,
0.2862

79.9858, 0.3249,
0.3130

46.0120, 0.3678,
0.2729

95.3911, 0.3151,
0.3257

38.4344, 0.3873,
0.2608

100.0000, 0.3127,
0.3290

32.5405, 0.4093,
0.2510

■ 28.1966, 0.4333,
0.2446

■ 25.2484, 0.4583,
0.2431

■ 23.5091, 0.4829,
0.2470

■ 22.8065, 0.5001,
0.2528

Harmonies

Analogous

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



66.6835, 0.3041, 0.2825



66.6835, 0.3368, 0.2997



66.6835, 0.3638, 0.3241

Triad

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



66.6835, 0.3368, 0.2997



66.6835, 0.3494, 0.3858



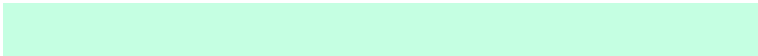
66.6835, 0.2529, 0.3021

Complementary

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



66.6835, 0.3368, 0.2997



88.8807, 0.2940, 0.3603

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.



66.6835, 0.2637, 0.3309



66.6835, 0.3368, 0.2997



66.6835, 0.3187, 0.3818

Square

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



66.6835, 0.3368, 0.2997



66.6835, 0.3709, 0.3736



66.6835, 0.2874, 0.3611



66.6835, 0.2570, 0.2827

Rectangle

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



66.6835, 0.3368, 0.2997



66.6835, 0.3742, 0.3419



66.6835, 0.2874, 0.3611



66.6835, 0.2549, 0.3109

Sweetspot

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



66.6838, 0.3368, 0.2997



88.5739, 0.3191, 0.3204



63.1651, 0.2934, 0.2683



18.7582, 0.3196, 0.3196



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.



66.6838, 0.3368, 0.2997



61.6395, 0.3425, 0.2939



65.2679, 0.3589, 0.3281



18.1386, 0.3215, 0.3172



11.9470, 0.4964, 0.2508



1.1853, 0.4709, 0.2368

Inverse Universe

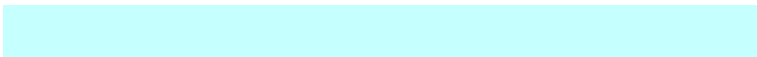
The Inverse Universe completely reimagines the original color for something new.



66.6838, 0.3368, 0.2997



61.6395, 0.3425, 0.2939



90.5481, 0.2794, 0.3299



18.1386, 0.3215, 0.3172



11.9470, 0.4964, 0.2508



1.1853, 0.4709, 0.2368

Previews

White Background



This preview shows how the Yxy color 66.6835, 0.3368, 0.2997 looks on a white background.

Color Contrast Check

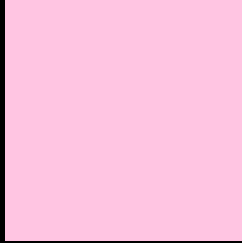
Large Text (above 18pt) WCAG AA × Fail

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 66.6835, 0.3368, 0.2997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

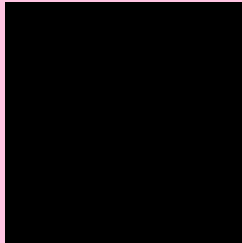
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.6835, 0.3368, 0.2997

Background



This preview shows how black text looks on a background with the Yxy color 66.6835, 0.3368, 0.2997.



This preview shows how white text looks on a background with the Yxy color 66.6835, 0.3368, 0.2997.

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

66.6835, 0.3368, 0.2997

Protanopia

66.9340, 0.2967, 0.3037

Deuteranopia

66.6655, 0.3173, 0.3107



Tritanopia

66.7727, 0.3450, 0.3137

Trichromacy



Original Color

66.6835, 0.3368, 0.2997

Protanomaly

66.7827, 0.3103, 0.3022

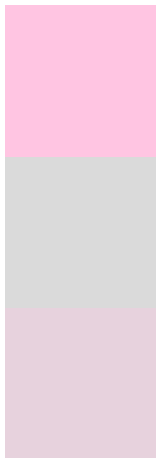
Deuteranomaly

66.3253, 0.3237, 0.3058

Tritanomaly

66.5210, 0.3421, 0.3086

Monochromacy



Original Color

66.6835, 0.3368, 0.2997

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

68.3026, 0.3207, 0.3172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6835, 0.3368, 0.2997 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, 197, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 197, 226)  
}
```

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, 197, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 197, 226) }
```

Border

The CSS property to change the border of an element to Yxy 66.6835, 0.3368, 0.2997 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, 197, 226) }
```

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

```
.border{ border-color:rgb(255, 197, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 197, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 197, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 197, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 197,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6835, 0.3368, 0.2997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 197, 226) }
```

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

```
.background{ background-color: rgb(255,  
197, 226) }
```

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](#).

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