

Converting Colors

$Y_{xy}(66.8213, 0.3310, 0.2915)$

Have a look what the booklet for
Yxy(66.8213, 0.3310, 0.2915)
contains.

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Color

Yxy(66.6804, 0.3308, 0.2909)

Conversions

Conversions Part 1

Format	Color
Hex	FFC4EA
RGB	255, 196, 234
RGB Percent	100%, 77%, 92%
CMY	0.0001, 0.2313, 0.0824
CMYK	0.00, 0.23, 0.08, 0.00
HSL	321°, 100%, 88%
HSV	321°, 23%, 100%
XYZ	75.8263, 66.6804, 86.7143
YIQ	217.9730, 22.9660, 24.3260

Conversions

Conversions Part 2

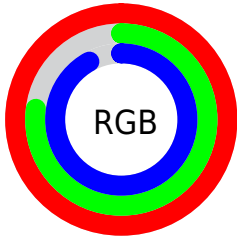
Format	Color
R _Y B	255, 196, 234
Decimal	16762090
CIE Lab	85.34, 26.91, -10.66
CIE LCh	85, 28.942, 338.395
Yxy	66.6804, 0.3308, 0.2909
Android (android.graphics.Color)	4294952170 (0xFFFFC4EA)
YUV	217.9730, 7.9013, 32.4727
Hunter-Lab	81.6581, 22.8505, -5.8006

Details

The Yxy color **66.6804, 0.3308, 0.2909** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.2572, 0.2982, 0.3705**, and the grayscale version is **70.0254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7306, 0.3128, 0.3271**, and **34.5661, 0.3355, 0.2829** is the 20% darker color. If you saturate the color by 10%, you get **55.6321, 0.3410, 0.2738**, and if you desaturate by 10%, it is **79.7161, 0.3221, 0.3078**.

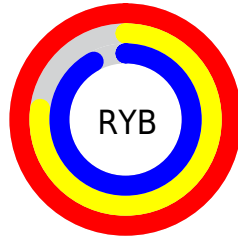
Distribution



Red (100%)

Green (77%)

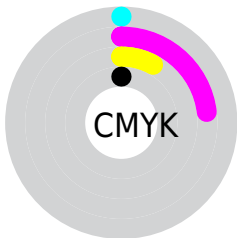
Blue (92%)



Red (100%)

Yellow (77%)

Blue (92%)

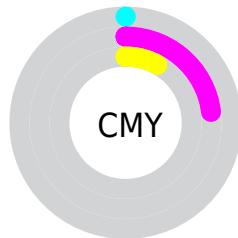


Cyan (0%)

Magenta (23%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (23%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.6804, 0.3308, 0.2909 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 66.6804, 0.3308, 0.2909 by changing the saturation by 10% instead.


 66.6804, 0.3308,
0.2909

 66.6804, 0.3308,
0.2909


448.8063, 0.3226,
0.3082

 48.8249, 0.3326,
0.2870

 114.4623, 0.3280,
0.2969

 34.4806, 0.3349,
0.2823


145.1576, 0.3269,
0.2992

 23.2631, 0.3377,
0.2763


180.9016, 0.3259,
0.3012

 14.7879, 0.3414,
0.2686

222.0787, 0.3251,
0.3030

 8.6707, 0.3463,
0.2582

269.0734, 0.3243,
0.3045

 4.5270, 0.3532,
0.2437

322.2699, 0.3237,

 1.9725, 0.3636,

0.3059

0.2219

382.0528, 0.3231,
0.3071

0.5914, 0.3845,
0.1779

0.0000, 0.4760,
0.0000

66.6804, 0.3308,
0.2909

66.6804, 0.3308,
0.2909

55.6321, 0.3410,
0.2738

79.7161, 0.3221,
0.3078

46.4631, 0.3528,
0.2572

94.8224, 0.3148,
0.3241

39.0685, 0.3661,
0.2419

99.9970, 0.3127,
0.3290

33.3295, 0.3808,
0.2291

■ 29.1127, 0.3964,
0.2199

■ 26.2636, 0.4125,
0.2154

■ 24.5949, 0.4284,
0.2161

■ 23.9462, 0.4390,
0.2192

Harmonies

Analogous

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



66.6804, 0.2945, 0.2745



66.6804, 0.3308, 0.2909



66.6804, 0.3637, 0.3163

Triad

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



66.6804, 0.3308, 0.2909



66.6804, 0.3607, 0.3907



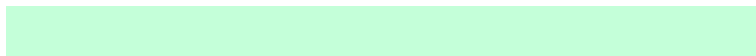
66.6804, 0.2476, 0.3058

Complementary

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



66.6804, 0.3308, 0.2909



88.2572, 0.2982, 0.3705

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.



66.6804, 0.2633, 0.3395



66.6804, 0.3308, 0.2909



66.6804, 0.3279, 0.3913

Square

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



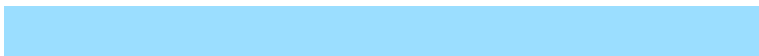
66.6804, 0.3308, 0.2909



66.6804, 0.3811, 0.3730



66.6804, 0.2923, 0.3722



66.6804, 0.2482, 0.2812

Rectangle

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



66.6804, 0.3308, 0.2909



66.6804, 0.3783, 0.3358



66.6804, 0.2923, 0.3722



66.6804, 0.2511, 0.3164

Sweetspot

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



66.6834, 0.3308, 0.2909



88.7329, 0.3174, 0.3179



61.4035, 0.2875, 0.2662



18.7951, 0.3179, 0.3169



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.



66.6834, 0.3308, 0.2909



61.0653, 0.3356, 0.2826



65.1439, 0.3536, 0.3200



18.1842, 0.3193, 0.3138



12.5437, 0.4366, 0.2179



1.2422, 0.4198, 0.2086

Inverse Universe

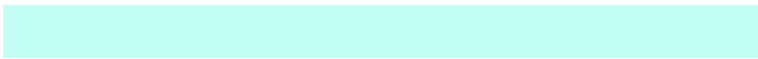
The Inverse Universe completely reimagines the original color for something new.



66.6834, 0.3308, 0.2909



61.0653, 0.3356, 0.2826



89.9098, 0.2829, 0.3383



18.1842, 0.3193, 0.3138



12.5437, 0.4366, 0.2179



1.2422, 0.4198, 0.2086

Previews

White Background



This preview shows how the Yxy color 66.6804, 0.3308, 0.2909 looks on a white background.

Color Contrast Check

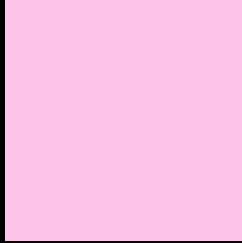
Large Text (above 18pt) WCAG AA × Fail

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 66.6804, 0.3308, 0.2909 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 66.6804, 0.3308, 0.2909

Background



This preview shows how black text looks on a background with the Yxy color 66.6804, 0.3308, 0.2909.



This preview shows how white text looks on a background with the Yxy color 66.6804, 0.3308, 0.2909.

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

66.6804, 0.3308, 0.2909

Protanopia

67.0285, 0.2890, 0.2940

Deuteranopia

67.1067, 0.3095, 0.3033



Tritanopia

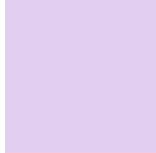
66.4486, 0.3427, 0.3126

Trichromacy



Original Color

66.6804, 0.3308, 0.2909



Protanomaly

66.4414, 0.3034, 0.2928



Deuteranomaly

67.0734, 0.3171, 0.2987



Tritanomaly

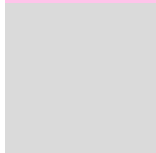
66.5447, 0.3382, 0.3046

Monochromacy



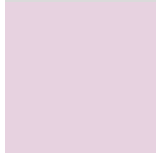
Original Color

66.6804, 0.3308, 0.2909



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

68.4639, 0.3186, 0.3141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6804, 0.3308, 0.2909 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, 196, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 234)  
}
```

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, 196, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 234) }
```

Border

The CSS property to change the border of an element to Yxy 66.6804, 0.3308, 0.2909 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, 196, 234) }
```

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

```
.border{ border-color:rgb(255, 196, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 196, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6804, 0.3308, 0.2909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 196, 234) }
```

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

```
.background{ background-color: rgb(255,  
196, 234) }
```

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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