

Converting Colors

$Y_{xy}(74.3435, 0.3632, 0.2946)$

Have a look what the booklet for
Yxy(74.3435, 0.3632, 0.2946)
contains.

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Color

Yxy(65.7268, 0.3318, 0.2898)

Conversions

Conversions Part 1

Format	Color
Hex	FFC2E9
RGB	255, 194, 233
RGB Percent	100%, 76%, 91%
CMY	0.0000, 0.2393, 0.0862
CMYK	0.00, 0.24, 0.09, 0.00
HSL	322°, 100%, 88%
HSV	322°, 24%, 100%
XYZ	75.2524, 65.7268, 85.8213
YIQ	216.6850, 23.8370, 25.0610

Conversions

Conversions Part 2

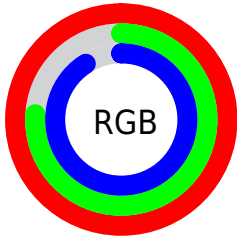
Format	Color
R _Y B	255, 194, 233
Decimal	16761577
CIE Lab	84.86, 27.83, -10.85
CIE LCh	85, 29.870, 338.691
Yxy	65.7268, 0.3318, 0.2898
Android (android.graphics.Color)	4294951657 (0xFFFFC2E9)
YUV	216.6850, 8.0433, 33.6023
Hunter-Lab	81.0721, 23.8105, -6.0128

Details

The Yxy color **65.7268, 0.3318, 0.2898** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **87.9440, 0.2976, 0.3718**, and the grayscale version is **69.0877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4744, 0.3129, 0.3252**, and **33.9363, 0.3368, 0.2815** is the 20% darker color. If you saturate the color by 10%, you get **54.8178, 0.3422, 0.2728**, and if you desaturate by 10%, it is **78.6005, 0.3228, 0.3066**.

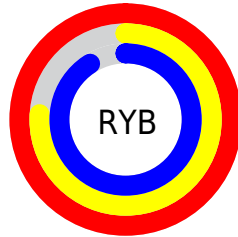
Distribution



Red (100%)

Green (76%)

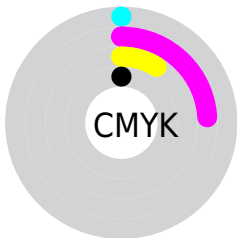
Blue (91%)



Red (100%)

Yellow (76%)

Blue (91%)

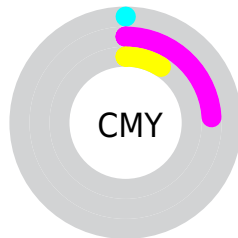


Cyan (0%)

Magenta (24%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (24%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.7268, 0.3318, 0.2898 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 65.7268, 0.3318, 0.2898 by changing the saturation by 10% instead.

 65.7268, 0.3318,
0.2898

 65.7268, 0.3318,
0.2898

445.3992, 0.3231,
0.3077

 48.0507, 0.3338,
0.2858


 113.0941, 0.3288,
0.2959

 33.8670, 0.3362,
0.2809


143.5541, 0.3276,
0.2983

 22.7914, 0.3392,
0.2747


179.0441, 0.3266,
0.3004

 14.4396, 0.3431,
0.2667

219.9487, 0.3257,
0.3022

 8.4270, 0.3483,
0.2560

266.6520, 0.3250,
0.3038

 4.3694, 0.3557,
0.2410

319.5386, 0.3243,

 1.8823, 0.3669,

0.3052

0.2183

378.9929, 0.3237,
0.3065

0.5377, 0.3908,
0.1694

0.0000, 0.4986,
0.0000

65.7268, 0.3318,
0.2898

65.7268, 0.3318,
0.2898

54.8178, 0.3422,
0.2728

78.6005, 0.3228,
0.3066

45.7887, 0.3543,
0.2564

93.5467, 0.3153,
0.3229

38.5259, 0.3679,
0.2413

100.0000, 0.3127,
0.3290

32.9094, 0.3829,
0.2289

■ 28.8045, 0.3988,
0.2201

■ 26.0547, 0.4152,
0.2161

■ 24.4687, 0.4313,
0.2174

■ 23.9085, 0.4408,
0.2202

Harmonies

Analogous

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



65.7268, 0.2941, 0.2727



65.7268, 0.3318, 0.2898



65.7268, 0.3659, 0.3161

Triad

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



65.7268, 0.3318, 0.2898



65.7268, 0.3621, 0.3931



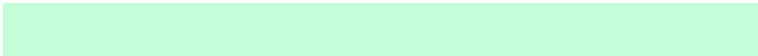
65.7268, 0.2453, 0.3045

Complementary

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



65.7268, 0.3318, 0.2898



87.9440, 0.2976, 0.3718

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.



65.7268, 0.2613, 0.3395



65.7268, 0.3318, 0.2898



65.7268, 0.3280, 0.3937

Square

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



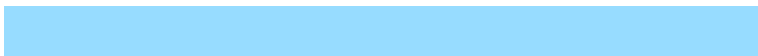
65.7268, 0.3318, 0.2898



65.7268, 0.3835, 0.3747



65.7268, 0.2912, 0.3736



65.7268, 0.2460, 0.2793

Rectangle

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



65.7268, 0.3318, 0.2898



65.7268, 0.3809, 0.3363



65.7268, 0.2912, 0.3736



65.7268, 0.2488, 0.3155

Sweetspot

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



65.7218, 0.3318, 0.2898



88.7279, 0.3175, 0.3180



60.2966, 0.2864, 0.2638



18.7939, 0.3179, 0.3170



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.



65.7218, 0.3318, 0.2898



59.9492, 0.3369, 0.2812



64.1562, 0.3554, 0.3197



18.1827, 0.3194, 0.3139



12.5223, 0.4383, 0.2188



1.2402, 0.4214, 0.2095

Inverse Universe

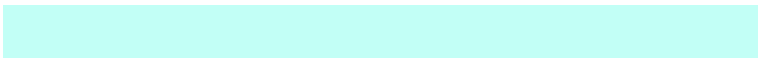
The Inverse Universe completely reimagines the original color for something new.



65.7218, 0.3318, 0.2898



59.9492, 0.3369, 0.2812



89.6321, 0.2819, 0.3386



18.1827, 0.3194, 0.3139



12.5223, 0.4383, 0.2188



1.2402, 0.4214, 0.2095

Previews

White Background



This preview shows how the Yxy color 65.7268, 0.3318, 0.2898 looks on a white background.

Color Contrast Check

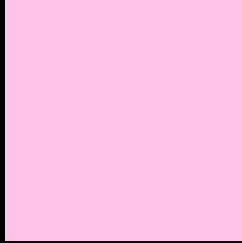
Large Text (above 18pt) WCAG AA × Fail

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 65.7268, 0.3318, 0.2898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

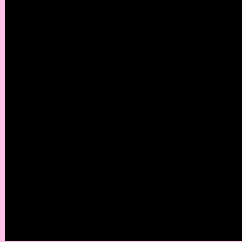
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.7268, 0.3318, 0.2898

Background



This preview shows how black text looks on a background with the Yxy color 65.7268, 0.3318, 0.2898.



This preview shows how white text looks on a background with the Yxy color 65.7268, 0.3318, 0.2898.

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

65.7268, 0.3318, 0.2898

Protanopia

66.3856, 0.2883, 0.2928

Deuteranopia

65.7594, 0.3088, 0.3020



Tritanopia

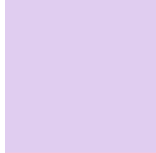
65.4320, 0.3445, 0.3126

Trichromacy



Original Color

65.7268, 0.3318, 0.2898



Protanomaly

65.8012, 0.3027, 0.2916



Deuteranomaly

65.7294, 0.3165, 0.2974



Tritanomaly

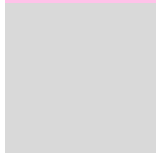
65.5298, 0.3400, 0.3045

Monochromacy



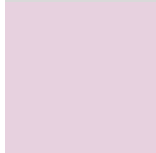
Original Color

65.7268, 0.3318, 0.2898



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

67.9176, 0.3194, 0.3140

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.7268, 0.3318, 0.2898 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, 194, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 233)  
}
```

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, 194, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 233) }
```

Border

The CSS property to change the border of an element to Yxy 65.7268, 0.3318, 0.2898 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, 194, 233) }
```

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

```
.border{ border-color:rgb(255, 194, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 194, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 65.7268, 0.3318, 0.2898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 194, 233) }
```

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

```
.background{ background-color: rgb(255,  
194, 233) }
```

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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