

Converting Colors

Yxy(58.4074, 0.3317, 0.2696)

Have a look what the booklet for
Yxy(58.4074, 0.3317, 0.2696)
contains.

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Color

Yxy(58.3088, 0.3320, 0.2698)

Conversions

Conversions Part 1

Format	Color
Hex	FFB0EB
RGB	255, 176, 235
RGB Percent	100%, 69%, 92%
CMY	0.0001, 0.3097, 0.0785
CMYK	0.00, 0.31, 0.08, 0.00
HSL	315°, 100%, 85%
HSV	315°, 31%, 100%
XYZ	71.7514, 58.3088, 86.0584
YIQ	206.3470, 28.1450, 35.0970

Conversions

Conversions Part 2

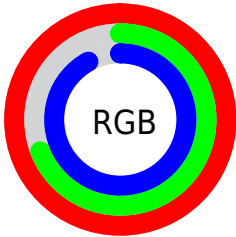
Format	Color
R _Y B	255, 176, 235
Decimal	16756971
CIE Lab	80.91, 37.55, -17.83
CIE LCh	81, 41.570, 334.602
Yxy	58.3088, 0.3320, 0.2698
Android (android.graphics.Color)	4294947051 (0xFFFFB0EB)
YUV	206.3470, 14.1259, 42.6687
Hunter-Lab	76.3602, 34.0960, -13.3681

Details

The Yxy color **58.3088, 0.3320, 0.2698** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **84.7218, 0.2979, 0.3967**, and the grayscale version is **61.8508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1932, 0.3138, 0.3068**, and **29.0441, 0.3361, 0.2561** is the 20% darker color. If you saturate the color by 10%, you get **48.8663, 0.3402, 0.2507**, and if you desaturate by 10%, it is **69.6479, 0.3248, 0.2893**.

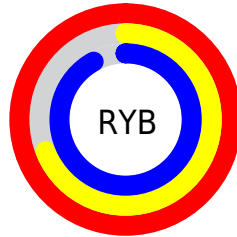
Distribution



Red (100%)

Green (69%)

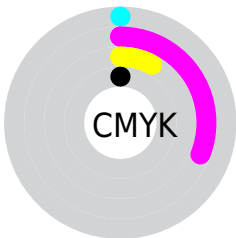
Blue (92%)



Red (100%)

Yellow (69%)

Blue (92%)

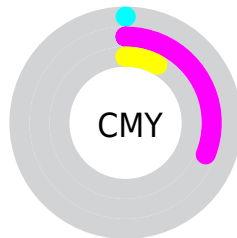


Cyan (0%)

Magenta (31%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (31%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.3088, 0.3320, 0.2698 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 58.3088, 0.3320, 0.2698 by changing the saturation by 10% instead.


 58.3088, 0.3320,
0.2698

 58.3088, 0.3320,
0.2698


418.3356, 0.3234,
0.2968

 42.0570, 0.3339,
0.2637


 102.3724, 0.3291,
0.2791

 29.1459, 0.3362,
0.2563


130.9530, 0.3279,
0.2827

 19.1912, 0.3390,
0.2470


164.4119, 0.3269,
0.2858

 11.8085, 0.3426,
0.2351

203.1335, 0.3260,
0.2886

 6.6134, 0.3472,
0.2191

247.5023, 0.3253,
0.2910

 3.2215, 0.3534,
0.1969


297.9027, 0.3246,

 1.2485, 0.3618,


0.2932


0.1641

354.7190, 0.3240,
0.2951


 0.1008, 0.4038,
0.0397


 0.0000, 0.0000,
0.0000


 58.3088, 0.3320,
0.2698


 58.3088, 0.3320,
0.2698


 48.8663, 0.3402,
0.2507


 69.6479, 0.3248,
0.2893


 41.2070, 0.3493,
0.2330

 82.9729, 0.3185,
0.3086

 35.2176, 0.3591,
0.2177

 98.3771, 0.3132,
0.3273

 30.7685, 0.3695,
0.2059

 99.9950, 0.3127,
0.3290

■ 27.7109, 0.3799,
0.1985

■ 25.8664, 0.3902,
0.1959

■ 24.9912, 0.3992,
0.1973

Harmonies

Analogous

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



58.3088, 0.2785, 0.2484



58.3088, 0.3320, 0.2698



58.3088, 0.3840, 0.3042

Triad

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



58.3088, 0.3320, 0.2698



58.3088, 0.3881, 0.4182



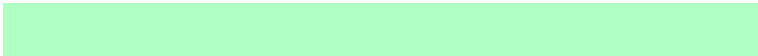
58.3088, 0.2193, 0.2981

Complementary

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



58.3088, 0.3320, 0.2698



84.7218, 0.2979, 0.3967

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.



58.3088, 0.2438, 0.3509



58.3088, 0.3320, 0.2698



58.3088, 0.3403, 0.4263

Square

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



58.3088, 0.3320, 0.2698



58.3088, 0.4168, 0.3869



58.3088, 0.2874, 0.4012



58.3088, 0.2175, 0.2608

Rectangle

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



58.3088, 0.3320, 0.2698



58.3088, 0.4085, 0.3315



58.3088, 0.2874, 0.4012



58.3088, 0.2250, 0.3146

Sweetspot

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



58.3114, 0.3320, 0.2698



85.8528, 0.3174, 0.3124



49.9810, 0.2712, 0.2408



17.9210, 0.3182, 0.3096



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.



58.3114, 0.3320, 0.2698



52.4035, 0.3368, 0.2582



56.2887, 0.3656, 0.3086



18.2172, 0.3177, 0.3114



13.0869, 0.3976, 0.1964



1.2918, 0.3869, 0.1905

Inverse Universe

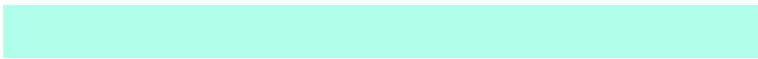
The Inverse Universe completely reimagines the original color for something new.



58.3114, 0.3320, 0.2698



52.4035, 0.3368, 0.2582



86.7476, 0.2777, 0.3507



18.2172, 0.3177, 0.3114



13.0869, 0.3976, 0.1964



1.2918, 0.3869, 0.1905

Previews

White Background



This preview shows how the Yxy color 58.3088, 0.3320, 0.2698 looks on a white background.

Color Contrast Check

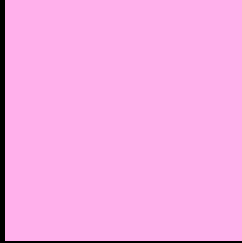
Large Text (above 18pt) WCAG AA × Fail

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 58.3088, 0.3320, 0.2698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

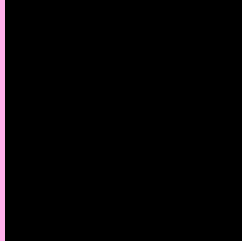
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.3088, 0.3320, 0.2698

Background



This preview shows how black text looks on a background with the Yxy color 58.3088, 0.3320, 0.2698.



This preview shows how white text looks on a background with the Yxy color 58.3088, 0.3320, 0.2698.

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

58.3088, 0.3320, 0.2698

Protanopia

58.6307, 0.2711, 0.2703

Deuteranopia

58.5148, 0.2963, 0.2895



Tritanopia

58.2222, 0.3587, 0.3143

Trichromacy



Original Color

58.3088, 0.3320, 0.2698



Protanomaly

58.0003, 0.2912, 0.2700



Deuteranomaly

58.0687, 0.3086, 0.2822



Tritanomaly

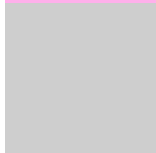
58.0411, 0.3490, 0.2969

Monochromacy



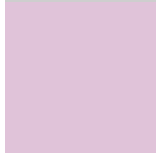
Original Color

58.3088, 0.3320, 0.2698



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

59.8873, 0.3194, 0.3047

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3088, 0.3320, 0.2698 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, 176, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 235)  
}
```

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, 176, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 235) }
```

Border

The CSS property to change the border of an element to Yxy 58.3088, 0.3320, 0.2698 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, 176, 235) }
```

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

```
.border{ border-color:rgb(255, 176, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 176, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 176, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 176, 235); box-shadow:4px 4px 4px 4px rgb(255, 176, 235) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3088, 0.3320, 0.2698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 176, 235) }
```

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

```
.background{ background-color: rgb(255,  
176, 235) }
```

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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