

# Converting Colors

Yxy(58.2716, 0.3341, 0.2724)

Have a look what the booklet for  
Yxy(58.2716, 0.3341, 0.2724)  
contains.

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# Color

**Yxy(58.1369, 0.3345, 0.2726)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB0E8
RGB	255, 176, 232
RGB Percent	100%, 69%, 91%
CMY	0.0000, 0.3098, 0.0903
CMYK	0.00, 0.31, 0.09, 0.00
HSL	317°, 100%, 85%
HSV	317°, 31%, 100%
XYZ	71.3382, 58.1369, 83.7931
YIQ	206.0050, 29.1080, 34.1640

# Conversions

## Conversions Part 2

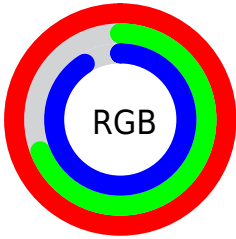
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 176, 232
Decimal	16756968
CIE <sub>Lab</sub>	80.81, 37.09, -16.36
CIE <sub>LCh</sub>	81, 40.534, 336.201
Yxy	58.1369, 0.3345, 0.2726
Android (android.graphics.Color)	4294947048 (0xFFFFB0E8)
YUV	206.0050, 12.8155, 42.9686
Hunter-Lab	76.2476, 33.5737, -11.7841

# Details

The Yxy color **58.1369, 0.3345, 0.2726** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **84.8731, 0.2963, 0.3931**, and the grayscale version is **61.6221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1932, 0.3138, 0.3068**, and **28.9240, 0.3395, 0.2596** is the 20% darker color. If you saturate the color by 10%, you get **48.6421, 0.3438, 0.2544**, and if you desaturate by 10%, it is **69.5195, 0.3263, 0.2912**.

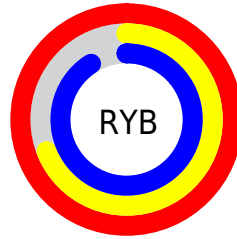
# Distribution



Red (100%)

Green (69%)

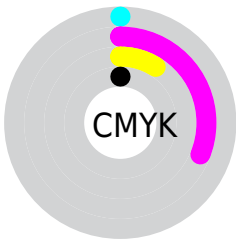
Blue (91%)



Red (100%)

Yellow (69%)

Blue (91%)

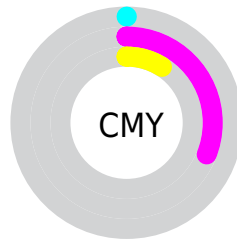


Cyan (0%)

Magenta (31%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (31%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.1369, 0.3345, 0.2726 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 58.1369, 0.3345, 0.2726 by changing the saturation by 10% instead.




 58.1369, 0.3345,  
0.2726

 58.1369, 0.3345,  
0.2726


417.6959, 0.3246,  
0.2984

 41.9187, 0.3367,  
0.2668

 102.1222, 0.3311,  
0.2815

 29.0377, 0.3394,  
0.2597


130.6581, 0.3298,  
0.2850

 19.1093, 0.3427,  
0.2507


164.0687, 0.3287,  
0.2880

 11.7493, 0.3470,  
0.2392

202.7384, 0.3276,  
0.2906

 6.5732, 0.3527,  
0.2237

247.0515, 0.3268,  
0.2929

 3.1966, 0.3605,  
0.2020


297.3926, 0.3260,

 1.2352, 0.3718,


0.2949


0.1697

354.1459, 0.3253,  
0.2968


 0.0902, 0.4239,  
0.0382


 0.0000, 0.0000,  
0.0000


 58.1369, 0.3345,  
0.2726


 58.1369, 0.3345,  
0.2726


 48.6421, 0.3438,  
0.2544


 69.5195, 0.3263,  
0.2912

 40.9416, 0.3543,  
0.2374

 82.8994, 0.3192,  
0.3096

 34.9154, 0.3658,  
0.2227

 98.3633, 0.3133,  
0.3273

 30.4336, 0.3780,  
0.2115

100.0000, 0.3127,  
0.3290

■ 27.3474, 0.3904,  
0.2048

■ 25.4781, 0.4027,  
0.2030

■ 24.5846, 0.4135,  
0.2052

# Harmonies

## Analogous

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



58.1369, 0.2819, 0.2509



58.1369, 0.3345, 0.2726



58.1369, 0.3846, 0.3069

# Triad

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



58.1369, 0.3345, 0.2726



58.1369, 0.3843, 0.4173



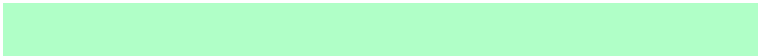
58.1369, 0.2207, 0.2966

# Complementary

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



58.1369, 0.3345, 0.2726



84.8731, 0.2963, 0.3931

# 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.



58.1369, 0.2436, 0.3475



58.1369, 0.3345, 0.2726



58.1369, 0.3370, 0.4234

# Square

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



58.1369, 0.3345, 0.2726



58.1369, 0.4136, 0.3877



58.1369, 0.2855, 0.3971



58.1369, 0.2201, 0.2610



# Rectangle

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



58.1369, 0.3345, 0.2726



58.1369, 0.4076, 0.3338



58.1369, 0.2855, 0.3971



58.1369, 0.2259, 0.3124

# Sweetspot

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



58.1329, 0.3345, 0.2726



85.7982, 0.3180, 0.3132



50.3247, 0.2731, 0.2412



17.9075, 0.3189, 0.3106



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.



58.1329, 0.3345, 0.2726



52.2021, 0.3400, 0.2615



56.1628, 0.3680, 0.3113



18.2049, 0.3183, 0.3123



12.8733, 0.4116, 0.2041



1.2725, 0.3987, 0.1970



# Inverse Universe

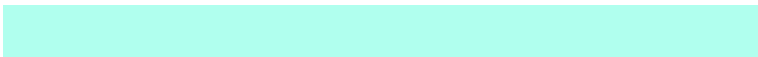
The Inverse Universe completely reimagines the original color for something new.



58.1329, 0.3345, 0.2726



52.2021, 0.3400, 0.2615



86.9153, 0.2764, 0.3478



18.2049, 0.3183, 0.3123



12.8733, 0.4116, 0.2041



1.2725, 0.3987, 0.1970



# Previews

## White Background



This preview shows how the Yxy color 58.1369, 0.3345, 0.2726 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

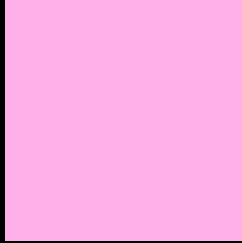
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.1369, 0.3345, 0.2726 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

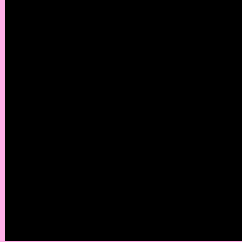
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.1369, 0.3345, 0.2726**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.1369, 0.3345, 0.2726.



This preview shows how white text looks on a background with the Yxy color 58.1369, 0.3345, 0.2726.

# 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

58.1369, 0.3345, 0.2726

### Protanopia

58.5713, 0.2736, 0.2734

### Deuteranopia

58.4912, 0.2991, 0.2928



## Tritanopia

58.4074, 0.3595, 0.3144

# Trichromacy



## Original Color

58.1369, 0.3345, 0.2726



## Protanomaly

57.9685, 0.2939, 0.2731



## Deuteranomaly

58.0599, 0.3116, 0.2854



## Tritanomaly

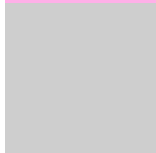
57.9911, 0.3498, 0.2979

# Monochromacy



## Original Color

58.1369, 0.3345, 0.2726



## Achromatopsia

61.7207, 0.3127, 0.3290



## Achromatomaly

59.7838, 0.3209, 0.3068

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.1369, 0.3345, 0.2726 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 58.1369, 0.3345, 0.2726 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, 232) }
```

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

```
.border{ border-color:rgb(255, 176, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 176, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 176, 232); box-shadow:4px 4px 4px 4px rgb(255, 176, 232) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.1369, 0.3345, 0.2726 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, 232) }
```

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

```
.background{ background-color: rgb(255,  
176, 232) }
```

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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