

# Converting Colors

$Y_{xy}(58.5054, 0.3533, 0.2992)$

Have a look what the booklet for  
Yxy(58.5054, 0.3533, 0.2992)  
contains.

<b>Yxy(58.5060, 0.3532, 0.2992)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(58.5060, 0.3532, 0.2992)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB4D1
RGB	255, 180, 209
RGB Percent	100%, 71%, 82%
CMY	0.0001, 0.2941, 0.1804
CMYK	0.00, 0.29, 0.18, 0.00
HSL	337°, 100%, 85%
HSV	337°, 29%, 100%
XYZ	69.0652, 58.5060, 67.9702
YIQ	205.7310, 35.3910, 24.9190

# Conversions

## Conversions Part 2

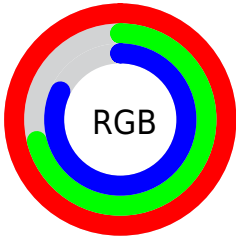
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 180, 209
Decimal	16757969
CIE Lab	81.02, 31.33, -3.65
CIE LCh	81, 31.540, 353.346
Yxy	58.5060, 0.3532, 0.2992
Android (android.graphics.Color)	4294948049 (0xFFFFB4D1)
YUV	205.7310, 1.6116, 43.2089
Hunter-Lab	76.4892, 27.3188, 0.8559

# Details

The Yxy color **58.5060, 0.3532, 0.2992** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **86.7073, 0.2845, 0.3611**, and the grayscale version is **61.5145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4709, 0.3136, 0.3107**, and **29.1586, 0.3630, 0.2908** is the 20% darker color. If you saturate the color by 10%, you get **48.4051, 0.3730, 0.2887**, and if you desaturate by 10%, it is **70.5821, 0.3367, 0.3098**.

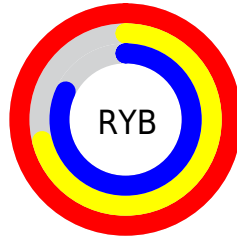
# Distribution



Red (100%)

Green (71%)

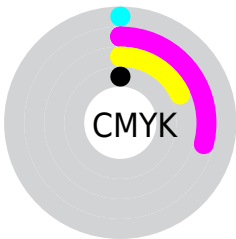
Blue (82%)



Red (100%)

Yellow (71%)

Blue (82%)

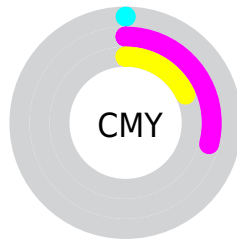


Cyan (0%)

Magenta (29%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (29%)


Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.5060, 0.3532, 0.2992 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 58.5060, 0.3532, 0.2992 by changing the saturation by 10% instead.




 58.5060, 0.3532,  
0.2992

 58.5060, 0.3532,  
0.2992


419.0688, 0.3339,  
0.3133

 42.2156, 0.3578,  
0.2959

 102.6593, 0.3464,  
0.3041

 29.2701, 0.3635,  
0.2918


131.2911, 0.3437,  
0.3061

 19.2853, 0.3709,  
0.2865


164.8053, 0.3415,  
0.3077

 11.8766, 0.3808,  
0.2796

203.5865, 0.3396,  
0.3091

 6.6597, 0.3948,  
0.2699

248.0191, 0.3379,  
0.3103

 3.2502, 0.4158,  
0.2555


298.4874, 0.3364,

 1.2637, 0.4509,


0.3114


0.2321


355.3758, 0.3350,  
0.3124


 0.1128, 0.6398,  
0.0828


 0.0000, 0.0000,  
0.0000

 58.5060, 0.3532,  
0.2992

 58.5060, 0.3532,  
0.2992

 48.4051, 0.3730,  
0.2887


 70.5821, 0.3367,  
0.3098

 40.1650, 0.3966,  
0.2790

 84.7233, 0.3232,  
0.3199

 33.6723, 0.4238,  
0.2709

99.9973, 0.3127,  
0.3290

 28.7975, 0.4541,  
0.2659

■ 25.3930, 0.4861,  
0.2650

■ 23.2833, 0.5176,  
0.2694

■ 22.2009, 0.5465,  
0.2787

■ 22.1499, 0.5481,  
0.2793

# Harmonies

## Analogous

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



58.5060, 0.3120, 0.2752



58.5060, 0.3532, 0.2992



58.5060, 0.3842, 0.3306

# Triad

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



58.5060, 0.3532, 0.2992



58.5060, 0.3494, 0.4027



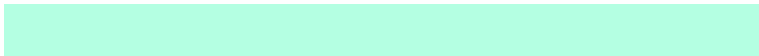
58.5060, 0.2372, 0.2866

# Complementary

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



58.5060, 0.3532, 0.2992



86.7073, 0.2845, 0.3611

# 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.



58.5060, 0.2458, 0.3207



58.5060, 0.3532, 0.2992



58.5060, 0.3092, 0.3923

# Square

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



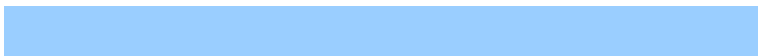
58.5060, 0.3532, 0.2992



58.5060, 0.3811, 0.3906



58.5060, 0.2715, 0.3608



58.5060, 0.2470, 0.2668



# Rectangle

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



58.5060, 0.3532, 0.2992



58.5060, 0.3936, 0.3529



58.5060, 0.2715, 0.3608



58.5060, 0.2380, 0.2966

# Sweetspot

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



58.5087, 0.3532, 0.2992



85.3476, 0.3227, 0.3203



55.8744, 0.2931, 0.2503



17.7965, 0.3245, 0.3189



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.



58.5087, 0.3532, 0.2992



52.6235, 0.3639, 0.2933



60.3111, 0.3764, 0.3370



18.1033, 0.3233, 0.3198



11.6023, 0.5439, 0.2770



1.1503, 0.5133, 0.2601



# Inverse Universe

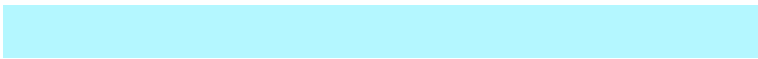
The Inverse Universe completely reimagines the original color for something new.



58.5087, 0.3532, 0.2992



52.6235, 0.3639, 0.2933



83.7449, 0.2692, 0.3208



18.1033, 0.3233, 0.3198



11.6023, 0.5439, 0.2770



1.1503, 0.5133, 0.2601



# Previews

## White Background



This preview shows how the Yxy color 58.5060, 0.3532, 0.2992 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

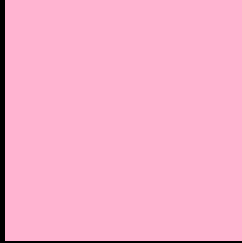
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.5060, 0.3532, 0.2992 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

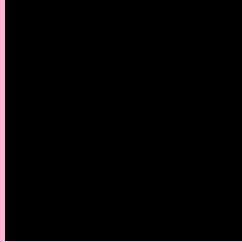
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.5060, 0.3532, 0.2992**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.5060, 0.3532, 0.2992.



This preview shows how white text looks on a background with the Yxy color 58.5060, 0.3532, 0.2992.

# 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

58.5060, 0.3532, 0.2992

### Protanopia

58.6711, 0.2972, 0.3046

### Deuteranopia

58.5465, 0.3237, 0.3165



## Tritanopia

58.5123, 0.3632, 0.3145

# Trichromacy



## Original Color

58.5060, 0.3532, 0.2992



## Protanomaly

58.2098, 0.3156, 0.3021



## Deuteranomaly

58.4877, 0.3341, 0.3104



## Tritanomaly

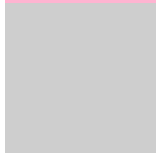
58.3356, 0.3591, 0.3083

# Monochromacy



## Original Color

58.5060, 0.3532, 0.2992



## Achromatopsia

61.7207, 0.3127, 0.3290



## Achromatomaly

60.2848, 0.3267, 0.3179

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.5060, 0.3532, 0.2992 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, 180, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 180, 209)  
}
```

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, 180, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 58.5060, 0.3532, 0.2992 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, 180, 209) }
```

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

```
.border{ border-color:rgb(255, 180, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 180, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 180, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 180, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 180,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.5060, 0.3532, 0.2992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 180, 209) }
```

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

```
.background{ background-color: rgb(255,  
180, 209) }
```

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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