

# Converting Colors

$Yxy(66.6294, 0.3751, 0.2893)$

Have a look what the booklet for  
Yxy(66.6294, 0.3751, 0.2893)  
contains.

<b>Yxy(58.3747, 0.3425, 0.2842)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(58.3747, 0.3425, 0.2842)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB2DE
RGB	255, 178, 222
RGB Percent	100%, 70%, 87%
CMY	0.0000, 0.3020, 0.1294
CMYK	0.00, 0.30, 0.13, 0.00
HSL	326°, 100%, 85%
HSV	326°, 30%, 100%
XYZ	70.3495, 58.3747, 76.6758
YIQ	206.0390, 31.7680, 30.0080

# Conversions

## Conversions Part 2

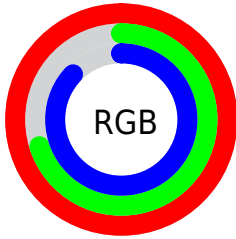
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 178, 222
Decimal	16757470
CIE Lab	80.95, 34.41, -10.79
CIE LCh	81, 36.061, 342.596
Yxy	58.3747, 0.3425, 0.2842
Android (android.graphics.Color)	4294947550 (0xFFFFB2DE)
YUV	206.0390, 7.8688, 42.9388
Hunter-Lab	76.4033, 30.6507, -6.0191

# Details

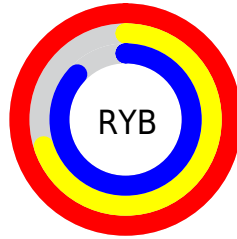
The Yxy color **58.3747, 0.3425, 0.2842** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **85.6873, 0.2912, 0.3787**, and the grayscale version is **61.6810, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3256, 0.3137, 0.3088**, and **29.0756, 0.3494, 0.2730** is the 20% darker color. If you saturate the color by 10%, you get **48.5865, 0.3562, 0.2691**, and if you desaturate by 10%, it is **70.0877, 0.3308, 0.2995**.

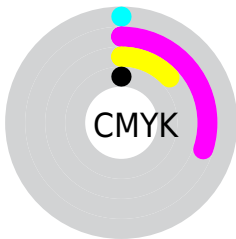
# Distribution



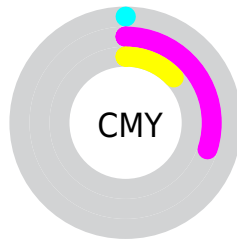
- Red (100%)
- Green (70%)
- Blue (87%)



- Red (100%)
- Yellow (70%)
- Blue (87%)



- Cyan (0%)
- Magenta (30%)
- Yellow (13%)
- Black (0%)




- Cyan (0%)
- Magenta (30%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.3747, 0.3425, 0.2842 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 58.3747, 0.3425, 0.2842 by changing the saturation by 10% instead.





 58.3747, 0.3425,  
0.2842

 58.3747, 0.3425,  
0.2842


418.5807, 0.3286,  
0.3049

 42.1100, 0.3457,  
0.2795


 102.4683, 0.3376,  
0.2914

 29.1874, 0.3497,  
0.2736


131.0660, 0.3358,  
0.2942

 19.2226, 0.3548,  
0.2662


164.5434, 0.3341,  
0.2966

 11.8313, 0.3615,  
0.2566

203.2850, 0.3327,  
0.2987

 6.6289, 0.3707,  
0.2435

247.6751, 0.3315,  
0.3005

 3.2311, 0.3841,  
0.2247


298.0981, 0.3304,

 1.2535, 0.4054,

0.3022

0.1958

354.9386, 0.3294,  
0.3036

 0.1048, 0.4923,  
0.0547


 0.0000, 0.0000,  
0.0000


 58.3747, 0.3425,  
0.2842

 58.3747, 0.3425,  
0.2842

 48.5865, 0.3562,  
0.2691


 70.0877, 0.3308,  
0.2995

 40.6164, 0.3720,  
0.2549

 83.8214, 0.3210,  
0.3145

 34.3493, 0.3898,  
0.2427

99.6671, 0.3129,  
0.3287

 29.6559, 0.4092,  
0.2338

100.0000, 0.3127,  
0.3290

■ 26.3888, 0.4295,  
0.2294

■ 24.3715, 0.4499,  
0.2302

■ 23.3279, 0.4693,  
0.2359

# Harmonies

## Analogous

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



58.3747, 0.2949, 0.2617



58.3747, 0.3425, 0.2842



58.3747, 0.3841, 0.3171

# Triad

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



58.3747, 0.3425, 0.2842



58.3747, 0.3689, 0.4109



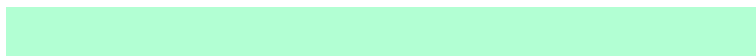
58.3747, 0.2283, 0.2924

# Complementary

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



58.3747, 0.3425, 0.2842



85.6873, 0.2912, 0.3787

# 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.



58.3747, 0.2450, 0.3356



58.3747, 0.3425, 0.2842



58.3747, 0.3250, 0.4096

# Square

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



58.3747, 0.3425, 0.2842



58.3747, 0.3990, 0.3889



58.3747, 0.2797, 0.3808



58.3747, 0.2320, 0.2640



# Rectangle

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



58.3747, 0.3425, 0.2842



58.3747, 0.4011, 0.3419



58.3747, 0.2797, 0.3808



58.3747, 0.2316, 0.3056

# Sweetspot

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



58.3751, 0.3425, 0.2842



85.6043, 0.3200, 0.3162



52.7743, 0.2818, 0.2455



17.8596, 0.3213, 0.3141



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.



58.3751, 0.3425, 0.2842



52.4665, 0.3502, 0.2753



56.5786, 0.3753, 0.3225



18.1611, 0.3204, 0.3155



12.2199, 0.4662, 0.2342



1.2117, 0.4450, 0.2225



# Inverse Universe

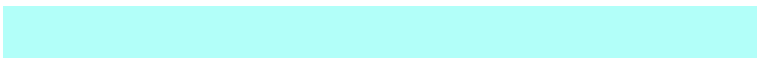
The Inverse Universe completely reimagines the original color for something new.



58.3751, 0.3425, 0.2842



52.4665, 0.3502, 0.2753



87.7985, 0.2722, 0.3358



18.1611, 0.3204, 0.3155



12.2199, 0.4662, 0.2342



1.2117, 0.4450, 0.2225



# Previews

## White Background



This preview shows how the Yxy color 58.3747, 0.3425, 0.2842 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

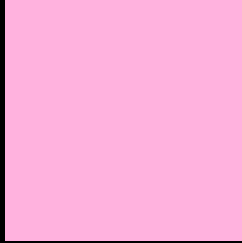
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.3747, 0.3425, 0.2842 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

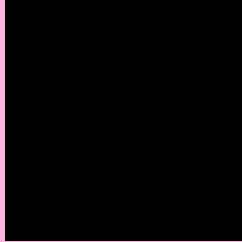
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.3747, 0.3425, 0.2842**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.3747, 0.3425, 0.2842.



This preview shows how white text looks on a background with the Yxy color 58.3747, 0.3425, 0.2842.

# 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

58.3747, 0.3425, 0.2842

### Protanopia

58.8340, 0.2838, 0.2877

### Deuteranopia

58.7405, 0.3093, 0.3029



## Tritanopia

58.5936, 0.3604, 0.3144

# Trichromacy



## Original Color

58.3747, 0.3425, 0.2842



## Protanomaly

58.0677, 0.3031, 0.2857



## Deuteranomaly

58.0565, 0.3208, 0.2951



## Tritanomaly

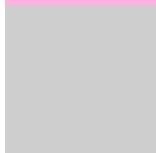
58.3866, 0.3539, 0.3031

# Monochromacy



## Original Color

58.3747, 0.3425, 0.2842



## Achromatopsia

61.7207, 0.3127, 0.3290



## Achromatomaly

60.0806, 0.3231, 0.3112

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.3747, 0.3425, 0.2842 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, 178, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 222)  
}
```

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, 178, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 58.3747, 0.3425, 0.2842 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, 178, 222) }
```

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

```
.border{ border-color:rgb(255, 178, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 178, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 178, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 178, 222); box-shadow:4px 4px 4px 4px rgb(255, 178, 222) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.3747, 0.3425, 0.2842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 178, 222) }
```

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

```
.background{ background-color: rgb(255,  
178, 222) }
```

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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