

# Converting Colors

Yxy(59.9119, 0.4194, 0.2798)

Have a look what the booklet for  
Yxy(59.9119, 0.4194, 0.2798)  
contains.

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# Color

**Yxy(45.6143, 0.3637, 0.2665)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF90CD
RGB	255, 144, 205
RGB Percent	100%, 56%, 80%
CMY	0.0000, 0.4354, 0.1960
CMYK	0.00, 0.44, 0.20, 0.00
HSL	327°, 100%, 78%
HSV	327°, 44%, 100%
XYZ	62.2511, 45.6143, 63.2952
YIQ	184.1430, 46.5750, 42.5030

# Conversions

## Conversions Part 2

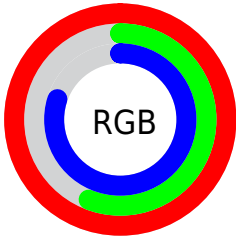
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 144, 205
Decimal	16748749
CIE <sub>Lab</sub>	73.29, 49.33, -12.96
CIE <sub>LCh</sub>	73, 51.000, 345.278
Yxy	45.6143, 0.3637, 0.2665
Android (android.graphics.Color)	4294938829 (0xFFFF90CD)
YUV	184.1430, 10.2825, 62.1416
Hunter-Lab	67.5384, 46.3340, -8.2882

# Details

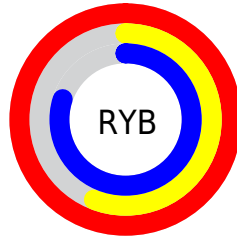
The Yxy color  $45.6143, 0.3637, 0.2665$  is a light color, and the websafe version is hex  $FF99CC$ . A complement of this color would be  $81.3387, 0.2821, 0.4026$ , and the grayscale version is  $47.9276, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $69.7886, 0.3152, 0.2752$ , and  $21.2825, 0.3766, 0.2504$  is the 20% darker color. If you saturate the color by 10%, you get  $38.2015, 0.3811, 0.2534$ , and if you desaturate by 10%, it is  $54.7934, 0.3485, 0.2809$ .

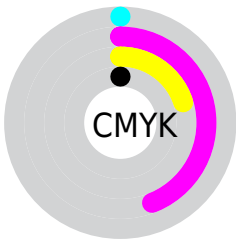
# Distribution



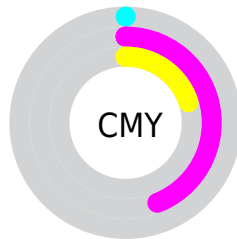
- Red (100%)
- Green (56%)
- Blue (80%)



- Red (100%)
- Yellow (56%)
- Blue (80%)



- Cyan (0%)
- Magenta (44%)
- Yellow (20%)
- Black (0%)




- Cyan (0%)
- Magenta (44%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6143, 0.3637, 0.2665 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 45.6143, 0.3637, 0.2665 by changing the saturation by 10% instead.





 45.6143, 0.3637,  
0.2665

 45.6143, 0.3637,  
0.2665


369.2558, 0.3390,  
0.2962

 31.9416, 0.3696,  
0.2595


 83.6415, 0.3549,  
0.2770

 21.3169, 0.3771,  
0.2509


 108.7647, 0.3515,  
0.2810

 13.3558, 0.3869,  
0.2397


138.4735, 0.3487,  
0.2844

 7.6740, 0.4000,  
0.2250

173.1524, 0.3462,  
0.2874

 3.8871, 0.4187,  
0.2046

213.1857, 0.3440,  
0.2900

 1.6106, 0.4471,  
0.1749

258.9577, 0.3421,

 0.3647, 0.5085,

0.2923

0.1049

310.8530, 0.3405,  
0.2944

0.0000, 0.8359,  
0.0000

0.0000, 0.0000,  
0.0000

45.6143, 0.3637,  
0.2665

45.6143, 0.3637,  
0.2665

38.2015, 0.3811,  
0.2534

54.7934, 0.3485,  
0.2809

32.4629, 0.4006,  
0.2426

65.8751, 0.3355,  
0.2957

28.2546, 0.4217,  
0.2355

78.9503, 0.3246,  
0.3103

25.4206, 0.4436,  
0.2333

94.1116, 0.3155,  
0.3242

■ 23.7711, 0.4651,  
0.2365

100.0000, 0.3127,  
0.3290

■ 23.1601, 0.4786,  
0.2410

# Harmonies

## Analogous

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



45.6143, 0.2904, 0.2333



45.6143, 0.3637, 0.2665



45.6143, 0.4273, 0.3133

# Triad

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



45.6143, 0.3637, 0.2665



45.6143, 0.3888, 0.4551



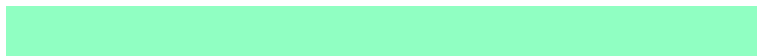
45.6143, 0.1884, 0.2659

# Complementary

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



45.6143, 0.3637, 0.2665



81.3387, 0.2821, 0.4026

# 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.



45.6143, 0.2081, 0.3300



45.6143, 0.3637, 0.2665



45.6143, 0.3215, 0.4550

# Square

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



45.6143, 0.3637, 0.2665



45.6143, 0.4389, 0.4181



45.6143, 0.2554, 0.4055



45.6143, 0.1965, 0.2291



# Rectangle

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



45.6143, 0.3637, 0.2665



45.6143, 0.4508, 0.3485



45.6143, 0.2554, 0.4055



45.6143, 0.1918, 0.2845

# Sweetspot

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



45.6051, 0.3636, 0.2665



79.7189, 0.3241, 0.3111



38.6164, 0.2669, 0.2051



16.4023, 0.3263, 0.3079



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.



45.6051, 0.3636, 0.2665



39.2320, 0.3783, 0.2553



43.3827, 0.4226, 0.3235



18.1543, 0.3208, 0.3160



12.1322, 0.4753, 0.2392



1.2033, 0.4528, 0.2268



# Inverse Universe

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



45.6051, 0.3636, 0.2665



39.2320, 0.3783, 0.2553



84.3138, 0.2561, 0.3351



18.1543, 0.3208, 0.3160



12.1322, 0.4753, 0.2392



1.2033, 0.4528, 0.2268



# Previews

## White Background



This preview shows how the Yxy color 45.6143, 0.3637, 0.2665 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

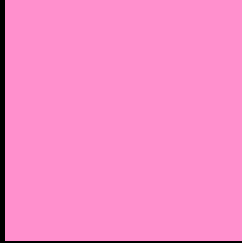
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.6143, 0.3637, 0.2665 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 45.6143, 0.3637, 0.2665**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.6143, 0.3637, 0.2665.



This preview shows how white text looks on a background with the Yxy color 45.6143, 0.3637, 0.2665.

# 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

45.6143, 0.3637, 0.2665

### Protanopia

46.1665, 0.2685, 0.2679

### Deuteranopia

45.6489, 0.3047, 0.2976



## Tritanopia

45.6100, 0.4011, 0.3175

# Trichromacy



## Original Color

45.6143, 0.3637, 0.2665



## Protanomaly

44.7191, 0.2985, 0.2650



## Deuteranomaly

44.9613, 0.3248, 0.2842



## Tritanomaly

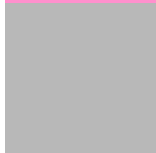
45.4047, 0.3874, 0.2985

# Monochromacy



## Original Color

45.6143, 0.3637, 0.2665



## Achromatopsia

47.9320, 0.3127, 0.3290



## Achromatomaly

45.8833, 0.3303, 0.3014

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.6143, 0.3637, 0.2665 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, 144, 205)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 205)  
}
```

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, 144, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 45.6143, 0.3637, 0.2665 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, 144, 205) }
```

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

```
.border{ border-color:rgb(255, 144, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 144, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 205);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
205) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.6143, 0.3637, 0.2665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 144, 205) }
```

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

```
.background{ background-color: rgb(255,  
144, 205) }
```

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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