

# Converting Colors

$Y_{xy}(44.6215, 0.3663, 0.2655)$

Have a look what the booklet for  
Yxy(44.6215, 0.3663, 0.2655)  
contains.

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# Color

**Yxy(44.6215, 0.3663, 0.2655)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8DCB
RGB	255, 141, 203
RGB Percent	100%, 55%, 80%
CMY	0.0000, 0.4472, 0.2038
CMYK	0.00, 0.45, 0.20, 0.00
HSL	327°, 100%, 78%
HSV	327°, 45%, 100%
XYZ	61.5625, 44.6215, 61.8819
YIQ	182.1540, 48.0420, 43.4500

# Conversions

## Conversions Part 2

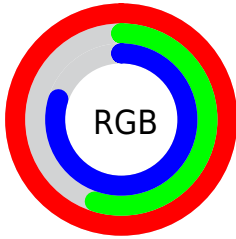
Format	Color
R <sub>YB</sub>	255, 141, 203
Decimal	16747979
CIE <sub>Lab</sub>	72.64, 50.53, -12.83
CIE <sub>LCh</sub>	73, 52.136, 345.749
Yxy	44.6215, 0.3663, 0.2655
Android (android.graphics.Color)	4294938059 (0xFFFF8DCB)
YUV	182.1540, 10.2771, 63.8859
Hunter-Lab	66.7993, 47.6075, -8.1658

# Details

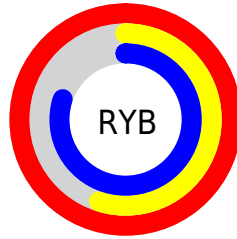
The Yxy color **44.6215, 0.3663, 0.2655** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **81.0273, 0.2811, 0.4042**, and the grayscale version is **46.7795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4125, 0.3154, 0.2722**, and **20.7221, 0.3803, 0.2494** is the 20% darker color. If you saturate the color by 10%, you get **37.4070, 0.3842, 0.2527**, and if you desaturate by 10%, it is **53.5899, 0.3506, 0.2797**.

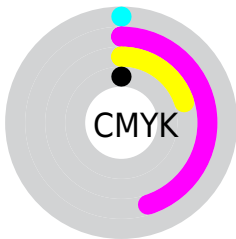
# Distribution



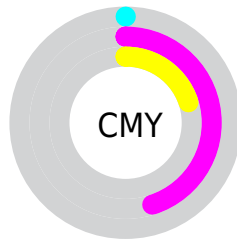
- Red (100%)
- Green (55%)
- Blue (80%)



- Red (100%)
- Yellow (55%)
- Blue (80%)



- Cyan (0%)
- Magenta (45%)
- Yellow (20%)
- Black (0%)




- Cyan (0%)
- Magenta (45%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.6215, 0.3663, 0.2655 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 44.6215, 0.3663, 0.2655 by changing the saturation by 10% instead.




 44.6215, 0.3663,  
0.2655


 44.6215, 0.3663,  
0.2655


365.2385, 0.3402,  
0.2958

 31.1594, 0.3726,  
0.2584


 82.1521, 0.3570,  
0.2762

 20.7203, 0.3806,  
0.2495


 106.9895, 0.3534,  
0.2803

 12.9197, 0.3909,  
0.2381


136.3873, 0.3504,  
0.2838

 7.3733, 0.4050,  
0.2229

170.7301, 0.3478,  
0.2868

 3.6966, 0.4250,  
0.2020

210.4022, 0.3455,  
0.2895

 1.5053, 0.4557,  
0.1713

255.7881, 0.3435,

 0.2925, 0.5269,

0.2918

0.0904

307.2720, 0.3418,  
0.2939

0.0000, 0.9780,  
0.0000

0.0000, 0.0000,  
0.0000

44.6215, 0.3663,  
0.2655

44.6215, 0.3663,  
0.2655

37.4070, 0.3842,  
0.2527

53.5899, 0.3506,  
0.2797

31.8527, 0.4043,  
0.2425

64.4497, 0.3372,  
0.2943

27.8124, 0.4259,  
0.2360

77.2925, 0.3260,  
0.3088

25.1271, 0.4481,  
0.2345

92.2120, 0.3166,  
0.3227

■ 23.6014, 0.4699,  
0.2385

100.0000, 0.3127,  
0.3290

■ 23.1174, 0.4810,  
0.2424

# Harmonies

## Analogous

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



44.6215, 0.2908, 0.2313



44.6215, 0.3663, 0.2655



44.6215, 0.4315, 0.3135

# Triad

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



44.6215, 0.3663, 0.2655



44.6215, 0.3896, 0.4590



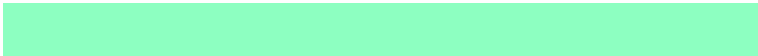
44.6215, 0.1852, 0.2630

# Complementary

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



44.6215, 0.3663, 0.2655



81.0273, 0.2811, 0.4042

# 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.



44.6215, 0.2047, 0.3286



44.6215, 0.3663, 0.2655



44.6215, 0.3203, 0.4588

# Square

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



44.6215, 0.3663, 0.2655



44.6215, 0.4417, 0.4209



44.6215, 0.2527, 0.4068



44.6215, 0.1939, 0.2261



# Rectangle

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



44.6215, 0.3663, 0.2655



44.6215, 0.4552, 0.3495



44.6215, 0.2527, 0.4068



44.6215, 0.1885, 0.2820

# Sweetspot

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



44.6123, 0.3662, 0.2655



79.7077, 0.3242, 0.3112



37.5026, 0.2653, 0.2015



16.3996, 0.3265, 0.3081



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.



44.6123, 0.3662, 0.2655



37.8689, 0.3828, 0.2536



42.3956, 0.4272, 0.3234



18.1525, 0.3208, 0.3161



12.1099, 0.4777, 0.2405



1.2012, 0.4548, 0.2279



# Inverse Universe

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



44.6123, 0.3662, 0.2655



37.8689, 0.3828, 0.2536



84.0378, 0.2549, 0.3353



18.1525, 0.3208, 0.3161



12.1099, 0.4777, 0.2405

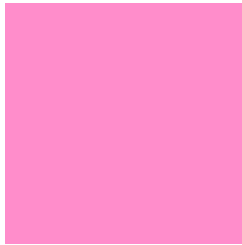


1.2012, 0.4548, 0.2279



# Previews

## White Background



This preview shows how the Yxy color 44.6215, 0.3663, 0.2655 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

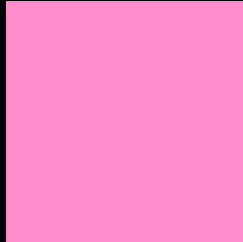
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.6215, 0.3663, 0.2655 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 44.6215, 0.3663, 0.2655**

## Background



This preview shows how black text looks on a background with the Yxy color 44.6215, 0.3663, 0.2655.



This preview shows how white text looks on a background with the Yxy color 44.6215, 0.3663, 0.2655.

# 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

44.6215, 0.3663, 0.2655

### Protanopia

45.0973, 0.2675, 0.2662

### Deuteranopia

44.8681, 0.3054, 0.2998



## Tritanopia

44.5422, 0.4055, 0.3175

# Trichromacy



## Original Color

44.6215, 0.3663, 0.2655



## Protanomaly

43.6186, 0.2983, 0.2644



## Deuteranomaly

43.9612, 0.3267, 0.2851



## Tritanomaly

44.3878, 0.3904, 0.2975

# Monochromacy



## Original Color

44.6215, 0.3663, 0.2655



## Achromatopsia

46.7784, 0.3127, 0.3290



## Achromatomaly

44.9104, 0.3314, 0.3012

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.6215, 0.3663, 0.2655 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, 141, 203)` looks like.

```
.text, #text, p{  
    color:rgb(255, 141, 203)  
}
```

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, 141, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 141, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 44.6215, 0.3663, 0.2655 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, 141, 203) }
```

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

```
.border{ border-color:rgb(255, 141, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 141, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 141, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 141, 203);  
box-shadow:4px 4px 4px 4px rgb(255, 141,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.6215, 0.3663, 0.2655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 141, 203) }
```

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

```
.background{ background-color: rgb(255,  
141, 203) }
```

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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