

# Converting Colors

$Y_{xy}(75.8854, 0.4228, 0.3029)$

Have a look what the booklet for  
Yxy(75.8854, 0.4228, 0.3029)  
contains.

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# Color

**Yxy(56.0862, 0.3552, 0.2940)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFAED0
RGB	255, 174, 208
RGB Percent	100%, 68%, 82%
CMY	0.0000, 0.3176, 0.1844
CMYK	0.00, 0.32, 0.18, 0.00
HSL	335°, 100%, 84%
HSV	335°, 32%, 100%
XYZ	67.7613, 56.0862, 66.9219
YIQ	202.0950, 37.3620, 27.7460

# Conversions

## Conversions Part 2

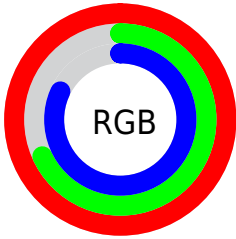
Format	Color
R <sub>Y</sub> B	255, 174, 208
Decimal	16756432
CIE Lab	79.66, 34.33, -5.11
CIE LCh	80, 34.706, 351.533
Yxy	56.0862, 0.3552, 0.2940
Android (android.graphics.Color)	4294946512 (0xFFFFAED0)
YUV	202.0950, 2.9112, 46.3977
Hunter-Lab	74.8907, 30.4484, -0.5577

# Details

The Yxy color **56.0862, 0.3552, 0.2940** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **85.7406, 0.2838, 0.3672**, and the grayscale version is **59.0896, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0736, 0.3138, 0.3048**, and **27.8782, 0.3656, 0.2855** is the 20% darker color. If you saturate the color by 10%, you get **46.4575, 0.3747, 0.2828**, and if you desaturate by 10%, it is **67.6564, 0.3389, 0.3055**.

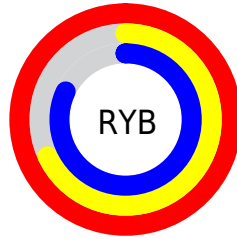
# Distribution



Red (100%)

Green (68%)

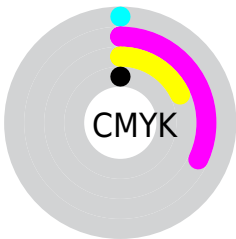
Blue (82%)



Red (100%)

Yellow (68%)

Blue (82%)

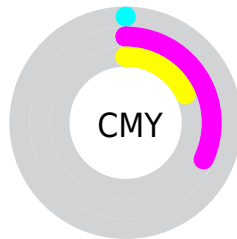


Cyan (0%)

Magenta (32%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (32%)


Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.0862, 0.3552, 0.2940 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 56.0862, 0.3552, 0.2940 by changing the saturation by 10% instead.




 56.0862, 0.3552,  
0.2940

 56.0862, 0.3552,  
0.2940

410.0163, 0.3348,  
0.3106

 40.2720, 0.3600,  
0.2901


 99.1306, 0.3480,  
0.2998

 27.7507, 0.3661,  
0.2853


127.1296, 0.3452,  
0.3021

 18.1378, 0.3740,  
0.2791


159.9591, 0.3429,  
0.3040

 11.0490, 0.3845,  
0.2709

198.0033, 0.3408,  
0.3057

 6.0998, 0.3994,  
0.2594

241.6468, 0.3390,  
0.3071

 2.9059, 0.4220,  
0.2425

291.2738, 0.3375,

 1.0828, 0.4599,

0.3084

0.2151

347.2688, 0.3361,  
0.3095

■ 0.0000, 0.7171,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.0862, 0.3552,  
0.2940

■ 56.0862, 0.3552,  
0.2940

■ 46.4575, 0.3747,  
0.2828

■ 67.6564, 0.3389,  
0.3055

■ 38.6574, 0.3975,  
0.2725

■ 81.2625, 0.3255,  
0.3166

■ 32.5687, 0.4237,  
0.2642

■ 96.9990, 0.3144,  
0.3272

■ 28.0587, 0.4525,  
0.2593

■ 100.0000, 0.3127,  
0.3290

■ 24.9746, 0.4826,  
0.2590

■ 23.1330, 0.5120,  
0.2641

■ 22.3215, 0.5345,  
0.2718

# Harmonies

## Analogous

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



56.0862, 0.3089, 0.2684



56.0862, 0.3552, 0.2940



56.0862, 0.3911, 0.3282

# Triad

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



56.0862, 0.3552, 0.2940



56.0862, 0.3558, 0.4113



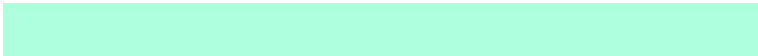
56.0862, 0.2292, 0.2833

# Complementary

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



56.0862, 0.3552, 0.2940



85.7406, 0.2838, 0.3672

# 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.



56.0862, 0.2397, 0.3220



56.0862, 0.3552, 0.2940



56.0862, 0.3112, 0.4017

# Square

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



56.0862, 0.3552, 0.2940



56.0862, 0.3903, 0.3957



56.0862, 0.2689, 0.3672



56.0862, 0.2387, 0.2607



# Rectangle

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



56.0862, 0.3552, 0.2940



56.0862, 0.4027, 0.3527



56.0862, 0.2689, 0.3672



56.0862, 0.2304, 0.2947

# Sweetspot

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



56.0879, 0.3552, 0.2940



83.8789, 0.3234, 0.3185



52.6947, 0.2890, 0.2430



17.5058, 0.3251, 0.3170



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.



56.0879, 0.3552, 0.2940



49.8602, 0.3669, 0.2869



56.7191, 0.3843, 0.3349



18.1135, 0.3228, 0.3191



11.6917, 0.5303, 0.2695



1.1596, 0.5010, 0.2533



# Inverse Universe

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



56.0879, 0.3552, 0.2940



49.8602, 0.3669, 0.2869



84.3424, 0.2664, 0.3230



18.1135, 0.3228, 0.3191



11.6917, 0.5303, 0.2695



1.1596, 0.5010, 0.2533



# Previews

## White Background



This preview shows how the Yxy color 56.0862, 0.3552, 0.2940 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

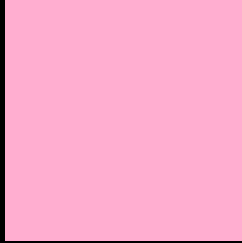
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.0862, 0.3552, 0.2940 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

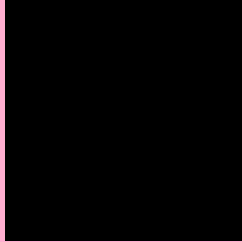
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.0862, 0.3552, 0.2940**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.0862, 0.3552, 0.2940.



This preview shows how white text looks on a background with the Yxy color 56.0862, 0.3552, 0.2940.

# 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

56.0862, 0.3552, 0.2940

### Protanopia

56.2231, 0.2928, 0.2983

### Deuteranopia

56.4032, 0.3207, 0.3140



## Tritanopia

56.0885, 0.3679, 0.3144

# Trichromacy



## Original Color

56.0862, 0.3552, 0.2940



## Protanomaly

55.5751, 0.3135, 0.2961



## Deuteranomaly

55.8122, 0.3330, 0.3057



## Tritanomaly

56.1527, 0.3637, 0.3072

# Monochromacy



## Original Color

56.0862, 0.3552, 0.2940



## Achromatopsia

59.0619, 0.3127, 0.3290



## Achromatomaly

57.4311, 0.3272, 0.3154

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.0862, 0.3552, 0.2940 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, 174, 208)` looks like.

```
.text, #text, p{  
    color:rgb(255, 174, 208)  
}
```

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, 174, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 174, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 56.0862, 0.3552, 0.2940 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, 174, 208) }
```

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

```
.border{ border-color:rgb(255, 174, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 174, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 174, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 174, 208);  
box-shadow:4px 4px 4px 4px rgb(255, 174,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.0862, 0.3552, 0.2940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 174, 208) }
```

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

```
.background{ background-color: rgb(255,  
174, 208) }
```

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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