

# Converting Colors

$Y_{xy}(56.9550, 0.3369, 0.2906)$

Have a look what the booklet for  
Yxy(56.9550, 0.3369, 0.2906)  
contains.

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# Color

**Yxy(56.7070, 0.3364, 0.2899)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3B4D9
RGB	243, 180, 217
RGB Percent	95%, 71%, 85%
CMY	0.0471, 0.2941, 0.1492
CMYK	0.00, 0.26, 0.11, 0.05
HSL	325°, 72%, 83%
HSV	325°, 26%, 95%
XYZ	65.8028, 56.7070, 73.0990
YIQ	203.0550, 25.6710, 24.8630

# Conversions

## Conversions Part 2

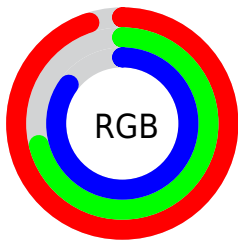
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 180, 217
Decimal	15971545
CIE <sub>Lab</sub>	80.01, 28.47, -9.58
CIE <sub>LCh</sub>	80, 30.036, 341.396
Yxy	56.7070, 0.3364, 0.2899
Android (android.graphics.Color)	4294161625 (0xFFFF3B4D9)
<b>YUV</b>	203.0550, 6.8749, 35.0318
Hunter-Lab	75.3041, 24.1963, -4.8411

# Details

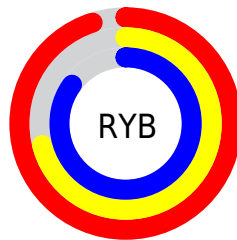
The Yxy color **56.7070, 0.3364, 0.2899** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **78.2618, 0.2946, 0.3717**, and the grayscale version is **59.7020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4709, 0.3136, 0.3107**, and **28.2265, 0.3422, 0.2811** is the 20% darker color. If you saturate the color by 10%, you get **47.2359, 0.3487, 0.2743**, and if you desaturate by 10%, it is **67.9348, 0.3260, 0.3055**.

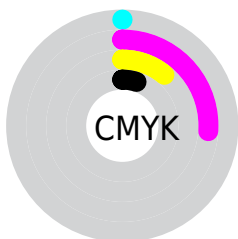
# Distribution



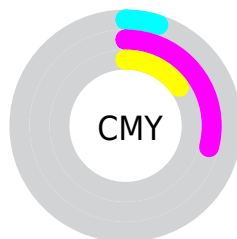
- Red (95%)
- Green (71%)
- Blue (85%)



- Red (95%)
- Yellow (71%)
- Blue (85%)



- Cyan (0%)
- Magenta (26%)
- Yellow (11%)
- Black (5%)




- Cyan (5%)
- Magenta (29%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.7070, 0.3364, 0.2899 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 56.7070, 0.3364, 0.2899 by changing the saturation by 10% instead.




 56.7070, 0.3364,  
0.2899

 56.7070, 0.3364,  
0.2899


412.3505, 0.3252,  
0.3082

 40.7700, 0.3390,  
0.2857


 100.0375, 0.3325,  
0.2963

 28.1394, 0.3422,  
0.2804


128.1999, 0.3310,  
0.2988

 18.4308, 0.3464,  
0.2738


161.2062, 0.3297,  
0.3009

 11.2597, 0.3518,  
0.2650

199.4408, 0.3286,  
0.3027

 6.2418, 0.3594,  
0.2529

243.2882, 0.3276,  
0.3043

 2.9927, 0.3706,  
0.2353

293.1326, 0.3267,

 1.1279, 0.3887,

0.3058

0.2075

349.3586, 0.3259,  
0.3071

0.0016, 0.5085,  
0.0012

0.0000, 0.0000,  
0.0000

56.7070, 0.3364,  
0.2899

56.7070, 0.3364,  
0.2899

47.2359, 0.3487,  
0.2743

67.9348, 0.3260,  
0.3055

39.4236, 0.3630,  
0.2592

80.9954, 0.3172,  
0.3205

33.1740, 0.3792,  
0.2458

95.9698, 0.3099,  
0.3347

28.3783, 0.3971,  
0.2350

97.7939, 0.3054,  
0.3290

■ 24.9131, 0.4162,  
0.2281

■ 22.6348, 0.4357,  
0.2262

■ 21.3654, 0.4548,  
0.2296

■ 21.0241, 0.4624,  
0.2321

# Harmonies

## Analogous

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



56.7070, 0.2964, 0.2710



56.7070, 0.3364, 0.2899



56.7070, 0.3715, 0.3181

# Triad

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



56.7070, 0.3364, 0.2899



56.7070, 0.3619, 0.3976



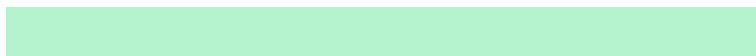
56.7070, 0.2411, 0.3000

# Complementary

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



56.7070, 0.3364, 0.2899



78.2618, 0.2946, 0.3717

# 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.



56.7070, 0.2563, 0.3365



56.7070, 0.3364, 0.2899



56.7070, 0.3252, 0.3965

# Square

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



56.7070, 0.3364, 0.2899



56.7070, 0.3862, 0.3793



56.7070, 0.2866, 0.3734



56.7070, 0.2435, 0.2748



# Rectangle

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



56.7070, 0.3364, 0.2899



56.7070, 0.3863, 0.3394



56.7070, 0.2866, 0.3734



56.7070, 0.2442, 0.3113

# Sweetspot

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



56.7096, 0.3364, 0.2899



87.1367, 0.3189, 0.3174



52.1269, 0.2863, 0.2585



18.1659, 0.3202, 0.3151



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.



56.7096, 0.3364, 0.2899



57.5827, 0.3425, 0.2818



55.2600, 0.3627, 0.3223



16.6457, 0.3202, 0.3152



11.5667, 0.4596, 0.2305



1.0370, 0.4374, 0.2183



# Inverse Universe

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



56.7096, 0.3364, 0.2899



57.5827, 0.3425, 0.2818



79.9002, 0.2780, 0.3359



16.6457, 0.3202, 0.3152



11.5667, 0.4596, 0.2305



1.0370, 0.4374, 0.2183



# Previews

## White Background



This preview shows how the Yxy color 56.7070, 0.3364, 0.2899 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

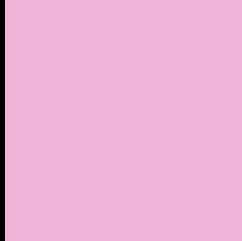
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.7070, 0.3364, 0.2899 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

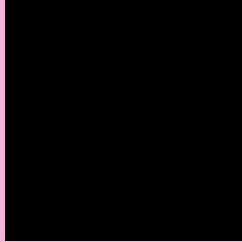
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.7070, 0.3364, 0.2899**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.7070, 0.3364, 0.2899.



This preview shows how white text looks on a background with the Yxy color 56.7070, 0.3364, 0.2899.

# 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

56.7070, 0.3364, 0.2899

### Protanopia

57.0033, 0.2888, 0.2928

### Deuteranopia

56.8951, 0.3107, 0.3038



## Tritanopia

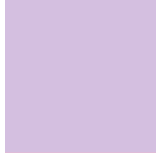
56.6450, 0.3502, 0.3128

# Trichromacy



## Original Color

56.7070, 0.3364, 0.2899



## Protanomaly

56.6405, 0.3050, 0.2916



## Deuteranomaly

56.6123, 0.3199, 0.2978



## Tritanomaly

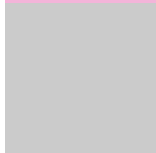
56.7409, 0.3453, 0.3044

# Monochromacy



## Original Color

56.7070, 0.3364, 0.2899



## Achromatopsia

59.7202, 0.3127, 0.3290



## Achromatomaly

58.4897, 0.3214, 0.3143

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.7070, 0.3364, 0.2899 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(243, 180, 217)` looks like.

```
.text, #text, p{  
    color:rgb(243, 180, 217)  
}
```

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(243, 180, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 180, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 56.7070, 0.3364, 0.2899 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(243, 180, 217) }
```

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

```
.border{ border-color:rgb(243, 180, 217) }
```

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

Here you see how a box with a 4 pixel rgb(243, 180, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 180, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 180, 217);  
box-shadow:4px 4px 4px 4px rgb(243, 180,  
217) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.7070, 0.3364, 0.2899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 180, 217) }
```

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

```
.background{ background-color: rgb(243,  
180, 217) }
```

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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