

# Converting Colors

$Y_{xy}(55.7788, 0.3340, 0.2885)$

Have a look what the booklet for  
Yxy(55.7788, 0.3340, 0.2885)  
contains.

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# Color

**Yxy(55.7752, 0.3340, 0.2884)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0B3D9
RGB	240, 179, 217
RGB Percent	94%, 70%, 85%
CMY	0.0586, 0.2981, 0.1489
CMYK	0.00, 0.25, 0.10, 0.06
HSL	323°, 67%, 82%
HSV	323°, 25%, 94%
XYZ	64.5940, 55.7752, 73.0261
YIQ	201.5710, 24.1580, 24.7500

# Conversions

## Conversions Part 2

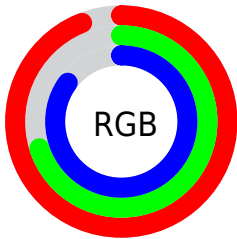
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 179, 217
Decimal	15774681
CIE Lab	79.49, 28.02, -10.44
CIE LCh	79, 29.901, 339.573
Yxy	55.7752, 0.3340, 0.2884
Android (android.graphics.Color)	4293964761 (0xFFFF0B3D9)
YUV	201.5710, 7.6065, 33.7022
Hunter-Lab	74.6828, 23.6918, -5.6968

# Details

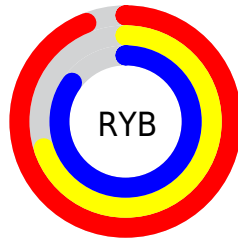
The Yxy color **55.7752, 0.3340, 0.2884** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **76.1933, 0.2962, 0.3735**, and the grayscale version is **58.7256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8967, 0.3136, 0.3097**, and **27.5976, 0.3390, 0.2792** is the 20% darker color. If you saturate the color by 10%, you get **46.5217, 0.3451, 0.2719**, and if you desaturate by 10%, it is **66.7343, 0.3245, 0.3048**.

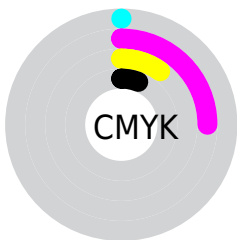
# Distribution



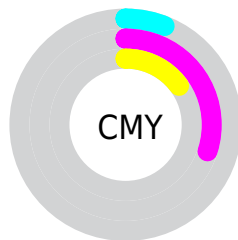
- Red (94%)
- Green (70%)
- Blue (85%)



- Red (94%)
- Yellow (70%)
- Blue (85%)



- Cyan (0%)
- Magenta (25%)
- Yellow (10%)
- Black (6%)



- Cyan (6%)
- Magenta (30%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.7752, 0.3340, 0.2884 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 55.7752, 0.3340, 0.2884 by changing the saturation by 10% instead.




 55.7752, 0.3340,  
0.2884

 55.7752, 0.3340,  
0.2884


408.8438, 0.3240,  
0.3074

 40.0227, 0.3363,  
0.2840


 98.6758, 0.3305,  
0.2950

 27.5563, 0.3392,  
0.2785


126.5927, 0.3292,  
0.2976

 17.9914, 0.3429,  
0.2716


159.3333, 0.3280,  
0.2998

 10.9438, 0.3478,  
0.2624

197.2818, 0.3270,  
0.3017

 6.0291, 0.3545,  
0.2498

240.8227, 0.3261,  
0.3034

 2.8628, 0.3644,  
0.2314

290.3404, 0.3253,

 1.0605, 0.3802,

0.3049

0.2023

346.2193, 0.3246,  
0.3062

0.0000, 0.4855,  
0.0000

0.0000, 0.0000,  
0.0000

55.7752, 0.3340,  
0.2884

55.7752, 0.3340,  
0.2884

46.5217, 0.3451,  
0.2719

66.7343, 0.3245,  
0.3048

38.8791, 0.3580,  
0.2560

79.4723, 0.3165,  
0.3207

32.7548, 0.3725,  
0.2416

94.0675, 0.3098,  
0.3357

28.0438, 0.3884,  
0.2300

97.1594, 0.3046,  
0.3307

■ 24.6275, 0.4053,  
0.2221

■ 97.2734, 0.3036,  
0.3290

■ 22.3678, 0.4226,  
0.2191

■ 21.0944, 0.4395,  
0.2214

■ 20.7214, 0.4472,  
0.2237

# Harmonies

## Analogous

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



55.7752, 0.2941, 0.2701



55.7752, 0.3340, 0.2884



55.7752, 0.3698, 0.3162

# Triad

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



55.7752, 0.3340, 0.2884



55.7752, 0.3638, 0.3970



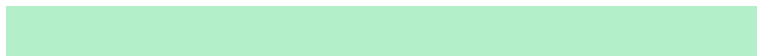
55.7752, 0.2414, 0.3020

# Complementary

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



55.7752, 0.3340, 0.2884



76.1933, 0.2962, 0.3735

# 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.



55.7752, 0.2577, 0.3389



55.7752, 0.3340, 0.2884



55.7752, 0.3276, 0.3973

# Square

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



55.7752, 0.3340, 0.2884



55.7752, 0.3871, 0.3778



55.7752, 0.2888, 0.3754



55.7752, 0.2428, 0.2759



# Rectangle

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



55.7752, 0.3340, 0.2884



55.7752, 0.3854, 0.3374



55.7752, 0.2888, 0.3754



55.7752, 0.2450, 0.3135

# Sweetspot

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



55.7777, 0.3340, 0.2884



87.1825, 0.3184, 0.3167



50.9962, 0.2853, 0.2597



18.1775, 0.3196, 0.3143



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.



55.7777, 0.3340, 0.2884



57.7384, 0.3401, 0.2790



54.3596, 0.3596, 0.3202



15.9245, 0.3196, 0.3144



11.3649, 0.4446, 0.2223



0.9647, 0.4239, 0.2109



# Inverse Universe

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



55.7777, 0.3340, 0.2884



57.7384, 0.3401, 0.2790



77.7499, 0.2797, 0.3381



15.9245, 0.3196, 0.3144



11.3649, 0.4446, 0.2223



0.9647, 0.4239, 0.2109



# Previews

## White Background



This preview shows how the Yxy color 55.7752, 0.3340, 0.2884 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

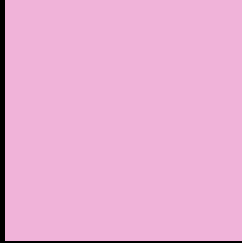
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.7752, 0.3340, 0.2884 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

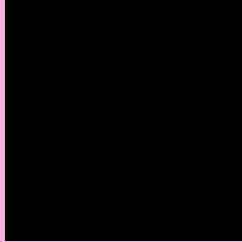
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.7752, 0.3340, 0.2884**

## Background



This preview shows how black text looks on a background with the Yxy color 55.7752, 0.3340, 0.2884.



This preview shows how white text looks on a background with the Yxy color 55.7752, 0.3340, 0.2884.

# 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

55.7752, 0.3340, 0.2884

### Protanopia

56.2878, 0.2873, 0.2915

### Deuteranopia

56.0155, 0.3084, 0.3024



## Tritanopia

55.9027, 0.3476, 0.3137

# Trichromacy



## Original Color

55.7752, 0.3340, 0.2884

## Protanomaly

55.7640, 0.3027, 0.2902

## Deuteranomaly

55.7142, 0.3175, 0.2964

## Tritanomaly

55.9927, 0.3427, 0.3051

# Monochromacy



## Original Color

55.7752, 0.3340, 0.2884

## Achromatopsia

59.0619, 0.3127, 0.3290

## Achromatomaly

57.6875, 0.3206, 0.3142

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.7752, 0.3340, 0.2884 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(240, 179, 217)` looks like.

```
.text, #text, p{  
    color:rgb(240, 179, 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(240, 179, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 179, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 55.7752, 0.3340, 0.2884 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(240, 179, 217) }
```

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

```
.border{ border-color:rgb(240, 179, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 179, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 179, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 179, 217);  
box-shadow:4px 4px 4px 4px rgb(240, 179,  
217) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.7752, 0.3340, 0.2884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 179, 217) }
```

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

```
.background{ background-color: rgb(240,  
179, 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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