

# Converting Colors

$Y_{xy}(55.3040, 0.3352, 0.2924)$

Have a look what the booklet for  
Yxy(55.3040, 0.3352, 0.2924)  
contains.

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# Color

**Yxy(55.2214, 0.3356, 0.2924)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEB3D5
RGB	238, 179, 213
RGB Percent	93%, 70%, 84%
CMY	0.0668, 0.2980, 0.1648
CMYK	0.00, 0.25, 0.11, 0.07
HSL	325°, 63%, 82%
HSV	325°, 25%, 93%
XYZ	63.3800, 55.2214, 70.2543
YIQ	200.5170, 24.2500, 23.0820

# Conversions

## Conversions Part 2

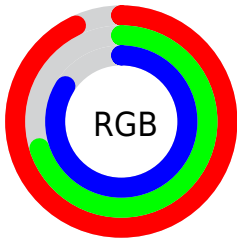
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	238, 179, 213
Decimal	15643605
CIE <sub>Lab</sub>	79.17, 26.62, -8.74
CIE <sub>LCh</sub>	79, 28.014, 341.823
Yxy	55.2214, 0.3356, 0.2924
Android (android.graphics.Color)	4293833685 (0xFFEEB3D5)
YUV	200.5170, 6.1541, 32.8726
Hunter-Lab	74.3111, 22.1983, -4.0355

# Details

The Yxy color **55.2214, 0.3356, 0.2924** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **75.0776, 0.2950, 0.3688**, and the grayscale version is **58.0444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8967, 0.3136, 0.3097**, and **27.2141, 0.3413, 0.2841** is the 20% darker color. If you saturate the color by 10%, you get **45.9961, 0.3480, 0.2770**, and if you desaturate by 10%, it is **66.1296, 0.3251, 0.3076**.

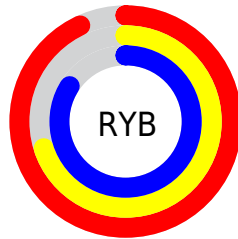
# Distribution



Red (93%)

Green (70%)

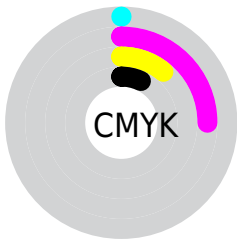
Blue (84%)



Red (93%)

Yellow (70%)

Blue (84%)

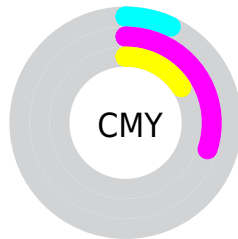


Cyan (0%)

Magenta (25%)

Yellow (11%)

Black (7%)



Cyan (7%)

Magenta (30%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.2214, 0.3356, 0.2924 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 55.2214, 0.3356, 0.2924 by changing the saturation by 10% instead.





 55.2214, 0.3356,  
0.2924

 55.2214, 0.3356,  
0.2924


406.7506, 0.3247,  
0.3096

 39.5790, 0.3381,  
0.2884


 97.8653, 0.3318,  
0.2984

 27.2105, 0.3413,  
0.2834


125.6355, 0.3303,  
0.3008

 17.7313, 0.3454,  
0.2770


158.2172, 0.3291,  
0.3028

 10.7573, 0.3509,  
0.2685

195.9947, 0.3280,  
0.3045

 5.9039, 0.3585,  
0.2568

239.3524, 0.3270,  
0.3060

 2.7867, 0.3699,  
0.2395

288.6747, 0.3262,

 1.0214, 0.3886,

0.3074

0.2117

344.3460, 0.3254,  
0.3086

0.0000, 0.5240,  
0.0000

0.0000, 0.0000,  
0.0000

55.2214, 0.3356,  
0.2924

55.2214, 0.3356,  
0.2924

45.9961, 0.3480,  
0.2770

66.1296, 0.3251,  
0.3076

38.3611, 0.3624,  
0.2621

78.7922, 0.3164,  
0.3223

32.2263, 0.3788,  
0.2487

93.2857, 0.3091,  
0.3361

27.4894, 0.3971,  
0.2377

96.8049, 0.3032,  
0.3306

■ 24.0352, 0.4166,  
0.2305

■ 96.9118, 0.3023,  
0.3290

■ 21.7299, 0.4368,  
0.2282

■ 20.4094, 0.4566,  
0.2313

■ 19.9803, 0.4667,  
0.2345

# Harmonies

## Analogous

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



55.2214, 0.2980, 0.2743



55.2214, 0.3356, 0.2924



55.2214, 0.3684, 0.3192

# Triad

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



55.2214, 0.3356, 0.2924



55.2214, 0.3587, 0.3937



55.2214, 0.2450, 0.3015

# Complementary

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



55.2214, 0.3356, 0.2924



75.0776, 0.2950, 0.3688

# 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.



55.2214, 0.2592, 0.3356



55.2214, 0.3356, 0.2924



55.2214, 0.3241, 0.3921

# Square

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



55.2214, 0.3356, 0.2924



55.2214, 0.3817, 0.3770



55.2214, 0.2877, 0.3702



55.2214, 0.2475, 0.2778



# Rectangle

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



55.2214, 0.3356, 0.2924



55.2214, 0.3821, 0.3394



55.2214, 0.2877, 0.3702



55.2214, 0.2479, 0.3121

# Sweetspot

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



55.2239, 0.3356, 0.2924



88.6574, 0.3182, 0.3191



51.1989, 0.2885, 0.2621



18.7776, 0.3187, 0.3182



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.



55.2239, 0.3356, 0.2924



58.6046, 0.3420, 0.2842



53.8788, 0.3606, 0.3237



15.9115, 0.3203, 0.3155



11.1767, 0.4638, 0.2329



0.9497, 0.4398, 0.2197



# Inverse Universe

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



55.2239, 0.3356, 0.2924



58.6046, 0.3420, 0.2842



76.6038, 0.2789, 0.3345



15.9115, 0.3203, 0.3155



11.1767, 0.4638, 0.2329



0.9497, 0.4398, 0.2197



# Previews

## White Background



This preview shows how the Yxy color 55.2214, 0.3356, 0.2924 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

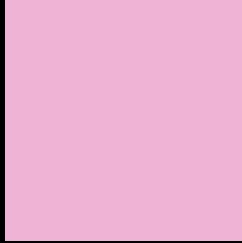
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.2214, 0.3356, 0.2924 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

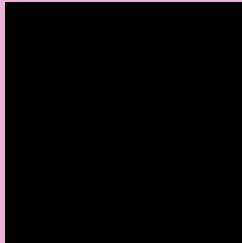
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.2214, 0.3356, 0.2924**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.2214, 0.3356, 0.2924.



This preview shows how white text looks on a background with the Yxy color 55.2214, 0.3356, 0.2924.

# 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

55.2214, 0.3356, 0.2924

### Protanopia

55.5644, 0.2906, 0.2959

### Deuteranopia

55.5201, 0.3122, 0.3058



## Tritanopia

55.2743, 0.3478, 0.3137

# Trichromacy



## Original Color

55.2214, 0.3356, 0.2924

## Protanomaly

55.0650, 0.3063, 0.2945

## Deuteranomaly

55.5098, 0.3206, 0.3008

## Tritanomaly

55.3165, 0.3437, 0.3061

# Monochromacy



## Original Color

55.2214, 0.3356, 0.2924

## Achromatopsia

58.4078, 0.3127, 0.3290

## Achromatomaly

56.8438, 0.3206, 0.3152

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.2214, 0.3356, 0.2924 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(238, 179, 213)` looks like.

```
.text, #text, p{  
    color:rgb(238, 179, 213)  
}
```

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(238, 179, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 179, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 55.2214, 0.3356, 0.2924 is called "border". The border property can be set on classes, ids or directly on the HTML element.

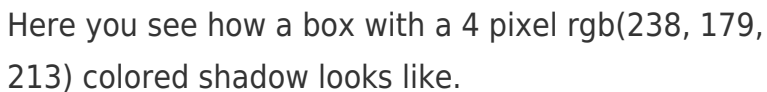
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(238, 179, 213) }
```

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

```
.border{ border-color:rgb(238, 179, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(238, 179, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(238, 179, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(238, 179, 213); box-shadow:4px 4px 4px 4px rgb(238, 179, 213) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.2214, 0.3356, 0.2924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 179, 213) }
```

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

```
.background{ background-color: rgb(238,  
179, 213) }
```

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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