

# Converting Colors

$Yxy(66.6113, 0.3326, 0.3267)$

Have a look what the booklet for  
Yxy(66.6113, 0.3326, 0.3267)  
contains.

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# Color

**Yxy(66.8913, 0.3327, 0.3269)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBCFD1
RGB	235, 207, 209
RGB Percent	92%, 81%, 82%
CMY	0.0785, 0.1882, 0.1803
CMYK	0.00, 0.12, 0.11, 0.08
HSL	356°, 41%, 87%
HSV	356°, 12%, 92%
XYZ	68.0781, 66.8913, 69.6537
YIQ	215.6000, 16.0460, 6.5580

# Conversions

## Conversions Part 2

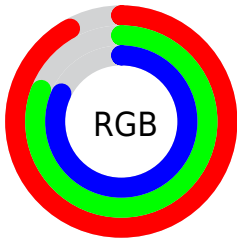
Format	Color
R <sub>Y</sub> B	235, 207, 209
Decimal	15454161
CIE Lab	85.45, 10.08, 2.58
CIE LCh	85, 10.408, 14.371
Yxy	66.8913, 0.3327, 0.3269
Android (android.graphics.Color)	4293644241 (0xFFEBCFD1)
YUV	215.6000, -3.2538, 17.0138
Hunter-Lab	81.7871, 5.4528, 6.7568

# Details

The Yxy color  $66.8913, 0.3327, 0.3269$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $78.5530, 0.2957, 0.3311$ , and the grayscale version is  $68.3983, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $34.7327, 0.3372, 0.3263$  is the 20% darker color. If you saturate the color by 10%, you get  $55.3345, 0.3541, 0.3250$ , and if you desaturate by 10%, it is  $80.2964, 0.3156, 0.3287$ .

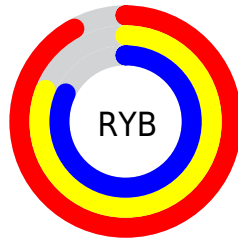
# Distribution



Red (92%)

Green (81%)

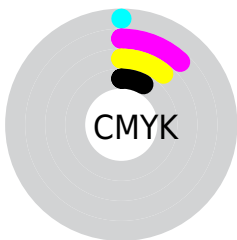
Blue (82%)



Red (92%)

Yellow (81%)

Blue (82%)

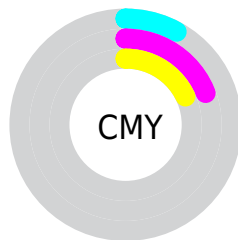


Cyan (0%)

Magenta (12%)

Yellow (11%)

Black (8%)



Cyan (8%)

Magenta (19%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.8913, 0.3327, 0.3269 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 66.8913, 0.3327, 0.3269 by changing the saturation by 10% instead.




 66.8913, 0.3327,  
0.3269

 66.8913, 0.3327,  
0.3269

449.5578, 0.3233,  
0.3280

 48.9963, 0.3349,  
0.3266

114.7646, 0.3294,  
0.3273

 34.6165, 0.3376,  
0.3263


145.5118, 0.3281,  
0.3274

 23.3676, 0.3412,  
0.3259


181.3117, 0.3270,  
0.3275

 14.8652, 0.3458,  
0.3253

222.5489, 0.3261,  
0.3277

 8.7248, 0.3523,  
0.3244

269.6077, 0.3252,  
0.3277

 4.5621, 0.3620,  
0.3230

322.8725, 0.3245,

 1.9927, 0.3779,

0.3278

382.7277, 0.3239,  
0.3279

0.3206

0.6032, 0.4315,  
0.3177

0.0000, 0.0000,  
0.0000

66.8913, 0.3327,  
0.3269

66.8913, 0.3327,  
0.3269

55.3345, 0.3541,  
0.3250

80.2964, 0.3156,  
0.3287

45.5365, 0.3807,  
0.3231

95.6163, 0.3018,  
0.3303

37.4138, 0.4133,  
0.3213

96.3984, 0.3005,  
0.3290

30.8725, 0.4523,  
0.3198

■ 25.8095, 0.4966,  
0.3191

■ 22.1097, 0.5430,  
0.3195

■ 19.6406, 0.5858,  
0.3212

■ 18.2435, 0.6182,  
0.3242

■ 17.6983, 0.6341,  
0.3267

# Harmonies

## Analogous

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



66.8913, 0.3220, 0.3165



66.8913, 0.3327, 0.3269



66.8913, 0.3380, 0.3380

# Triad

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



66.8913, 0.3327, 0.3269



66.8913, 0.3161, 0.3497



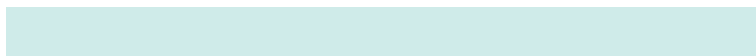
66.8913, 0.2896, 0.3106

# Complementary

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



66.8913, 0.3327, 0.3269



78.5530, 0.2957, 0.3311

# 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.



66.8913, 0.2881, 0.3192



66.8913, 0.3327, 0.3269



66.8913, 0.3032, 0.3420

# Square

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



66.8913, 0.3327, 0.3269



66.8913, 0.3282, 0.3515



66.8913, 0.2931, 0.3307



66.8913, 0.2972, 0.3072



# Rectangle

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



66.8913, 0.3327, 0.3269



66.8913, 0.3376, 0.3445



66.8913, 0.2931, 0.3307



66.8913, 0.2884, 0.3130

# Sweetspot

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



66.8943, 0.3327, 0.3269



93.0689, 0.3189, 0.3283



67.8929, 0.3124, 0.2996



19.6505, 0.3201, 0.3282



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.



66.8943, 0.3327, 0.3269



77.3460, 0.3369, 0.3265



72.6523, 0.3326, 0.3415



15.0715, 0.3282, 0.3273



9.8588, 0.6323, 0.3257



0.7803, 0.6124, 0.3147



# Inverse Universe

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



66.8943, 0.3327, 0.3269



77.3460, 0.3369, 0.3265



72.2136, 0.2942, 0.3162



15.0715, 0.3282, 0.3273



9.8588, 0.6323, 0.3257



0.7803, 0.6124, 0.3147



# Previews

## White Background



This preview shows how the Yxy color 66.8913, 0.3327, 0.3269 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

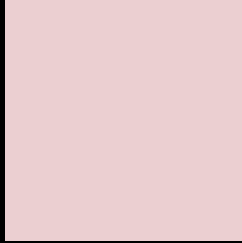
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.8913, 0.3327, 0.3269 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

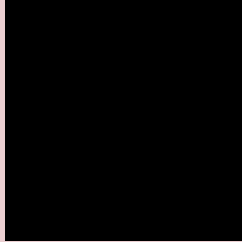
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.8913, 0.3327, 0.3269**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.8913, 0.3327, 0.3269.



This preview shows how white text looks on a background with the Yxy color 66.8913, 0.3327, 0.3269.

# 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

66.8913, 0.3327, 0.3269

### Protanopia

67.2474, 0.3171, 0.3301

### Deuteranopia

67.0620, 0.3335, 0.3269



## Tritanopia

66.8876, 0.3257, 0.3121

# Trichromacy



## Original Color

66.8913, 0.3327, 0.3269

## Protanomaly

67.1390, 0.3224, 0.3290

## Deuteranomaly

67.0620, 0.3335, 0.3269

## Tritanomaly

66.9852, 0.3277, 0.3173

# Monochromacy



## Original Color

66.8913, 0.3327, 0.3269

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

68.0806, 0.3201, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.8913, 0.3327, 0.3269 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(235, 207, 209)` looks like.

```
.text, #text, p{  
    color:rgb(235, 207, 209)  
}
```

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(235, 207, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 207, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 66.8913, 0.3327, 0.3269 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(235, 207, 209) }
```

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

```
.border{ border-color:rgb(235, 207, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 207, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 207, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 207, 209);  
box-shadow:4px 4px 4px 4px rgb(235, 207,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.8913, 0.3327, 0.3269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 207, 209) }
```

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

```
.background{ background-color: rgb(235,  
207, 209) }
```

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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