

# Converting Colors

$Yxy(67.0397, 0.3067, 0.3347)$

Have a look what the booklet for  
Yxy(67.0397, 0.3067, 0.3347)  
contains.

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# Color

**Yxy(67.2165, 0.3067, 0.3347)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CCD9D4
RGB	204, 217, 212
RGB Percent	80%, 85%, 83%
CMY	0.2001, 0.1490, 0.1686
CMYK	0.06, 0.00, 0.02, 0.15
HSL	157°, 15%, 83%
HSV	157°, 6%, 85%
XYZ	61.5934, 67.2165, 72.0162
YIQ	212.5430, -6.1430, -4.3110

# Conversions

## Conversions Part 2

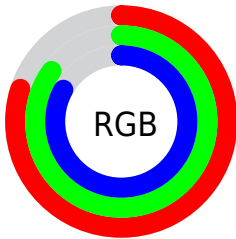
Format	Color
R <sub>Y</sub> B	204, 212, 217
Decimal	13425108
CIE Lab	85.61, -5.31, 0.94
CIE LCh	86, 5.389, 169.959
Yxy	67.2165, 0.3067, 0.3347
Android (android.graphics.Color)	4291615188 (0xFFCCD9D4)
YUV	212.5430, -0.2677, -7.4922
Hunter-Lab	81.9857, -9.3732, 5.3096

# Details

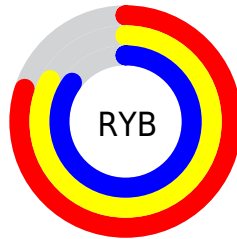
The Yxy color  $67.2165, 0.3067, 0.3347$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $62.5306, 0.3191, 0.3234$ , and the grayscale version is  $66.2227, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $34.7590, 0.3058, 0.3365$  is the 20% darker color. If you saturate the color by 10%, you get  $63.9539, 0.2969, 0.3451$ , and if you desaturate by 10%, it is  $70.9338, 0.3167, 0.3254$ .

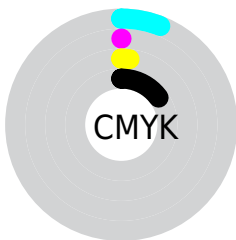
# Distribution



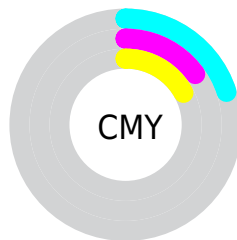
- Red (80%)
- Green (85%)
- Blue (83%)



- Red (80%)
- Yellow (83%)
- Blue (85%)



- Cyan (6%)
- Magenta (0%)
- Yellow (2%)
- Black (15%)



- Cyan (20%)
- Magenta (15%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.2165, 0.3067, 0.3347 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 67.2165, 0.3067, 0.3347 by changing the saturation by 10% instead.



■ 67.2165, 0.3067,  
0.3347

■ 67.2165, 0.3067,  
0.3347

450.7150, 0.3095,  
0.3320

■ 49.2606, 0.3060,  
0.3353

115.2306, 0.3077,  
0.3338

■ 34.8262, 0.3052,  
0.3361

146.0575, 0.3081,  
0.3334

■ 23.5291, 0.3042,  
0.3371

181.9436, 0.3084,  
0.3331

■ 14.9846, 0.3028,  
0.3384

223.2733, 0.3087,  
0.3328

■ 8.8086, 0.3008,  
0.3403

270.4308, 0.3089,  
0.3326

■ 4.6166, 0.2980,  
0.3430

323.8007, 0.3092,

■ 2.0241, 0.2932,

0.3324

0.3476

383.7673, 0.3094,  
0.3322

0.6214, 0.2723,  
0.3670

0.0000, 0.0000,  
0.0000

67.2165, 0.3067,  
0.3347

67.2165, 0.3067,  
0.3347

63.9539, 0.2969,  
0.3451

70.9338, 0.3167,  
0.3254

61.1195, 0.2876,  
0.3565


75.1140, 0.3268,  
0.3172

58.6971, 0.2791,  
0.3689

77.0071, 0.3266,  
0.3092


56.6661, 0.2717,  
0.3823


77.5060, 0.3209,  
0.3011


 55.0040, 0.2658,  
0.3965

 78.0278, 0.3153,  
0.2933

 53.6862, 0.2615,  
0.4112

 78.1117, 0.3145,  
0.2920

 52.6846, 0.2592,  
0.4262

 51.9669, 0.2589,  
0.4412

 51.4927, 0.2606,  
0.4558

# Harmonies

## Analogous

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



67.2165, 0.3132, 0.3391



67.2165, 0.3067, 0.3347



67.2165, 0.3018, 0.3288

# Triad

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



67.2165, 0.3067, 0.3347



67.2165, 0.3057, 0.3176



67.2165, 0.3258, 0.3348

# Complementary

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



67.2165, 0.3067, 0.3347



62.5306, 0.3191, 0.3234

# 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.



67.2165, 0.3238, 0.3291



67.2165, 0.3067, 0.3347



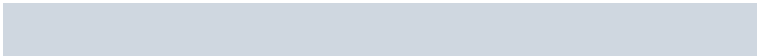
67.2165, 0.3121, 0.3193

# Square

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



67.2165, 0.3067, 0.3347



67.2165, 0.3012, 0.3190



67.2165, 0.3187, 0.3234



67.2165, 0.3243, 0.3390



# Rectangle

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



67.2165, 0.3067, 0.3347



67.2165, 0.3001, 0.3248



67.2165, 0.3187, 0.3234



67.2165, 0.3255, 0.3330

# Sweetspot

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



67.2194, 0.3067, 0.3347



98.9200, 0.3107, 0.3309



67.5733, 0.3158, 0.3439



21.1843, 0.3108, 0.3308



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.



67.2194, 0.3067, 0.3347



96.3365, 0.3056, 0.3357



66.8067, 0.3035, 0.3275



14.8826, 0.3052, 0.3362



31.0976, 0.2610, 0.4595



2.0313, 0.2544, 0.4357



# Inverse Universe

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



62.5306, 0.3191, 0.3234



88.4474, 0.3204, 0.3224



62.9086, 0.3227, 0.3305



13.5808, 0.3209, 0.3219



9.3306, 0.5431, 0.2765

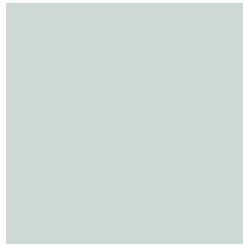


0.6210, 0.4991, 0.2523



# Previews

## White Background



This preview shows how the Yxy color 67.2165, 0.3067, 0.3347 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 67.2165, 0.3067, 0.3347 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

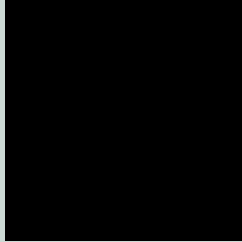
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

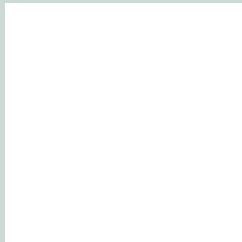
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.2165, 0.3067, 0.3347**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.2165, 0.3067, 0.3347.



This preview shows how white text looks on a background with the Yxy color 67.2165, 0.3067, 0.3347.

# 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

67.2165, 0.3067, 0.3347

### Protanopia

67.1471, 0.3185, 0.3324

### Deuteranopia

66.9731, 0.3283, 0.3215



## Tritanopia

67.1281, 0.2965, 0.3101

# Trichromacy



## Original Color

67.2165, 0.3067, 0.3347

## Protanomaly

66.9424, 0.3140, 0.3324

## Deuteranomaly

67.0806, 0.3203, 0.3268

## Tritanomaly

67.1045, 0.3003, 0.3189

# Monochromacy



## Original Color

67.2165, 0.3067, 0.3347

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

66.5989, 0.3105, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.2165, 0.3067, 0.3347 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(204, 217, 212)` looks like.

```
.text, #text, p{  
    color:rgb(204, 217, 212)  
}
```

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(204, 217, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 217, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 67.2165, 0.3067, 0.3347 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(204, 217, 212) }
```

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

```
.border{ border-color:rgb(204, 217, 212) }
```

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

Here you see how a box with a 4 pixel rgb(204, 217, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 217, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 217, 212);  
box-shadow:4px 4px 4px 4px rgb(204, 217,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.2165, 0.3067, 0.3347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 217, 212) }
```

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

```
.background{ background-color: rgb(204,  
217, 212) }
```

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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