

# Converting Colors

Yxy(64.2123, 0.3068, 0.3141)

Have a look what the booklet for  
Yxy(64.2123, 0.3068, 0.3141)  
contains.

<b>Yxy(64.3293, 0.3067, 0.3144)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(64.3293, 0.3067, 0.3144)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D4D0DD
RGB	212, 208, 221
RGB Percent	83%, 82%, 87%
CMY	0.1687, 0.1843, 0.1333
CMYK	0.04, 0.06, 0.00, 0.13
HSL	258°, 16%, 84%
HSV	258°, 6%, 87%
XYZ	62.7538, 64.3293, 77.5266
YIQ	210.6780, -1.7890, 4.8910

# Conversions

## Conversions Part 2

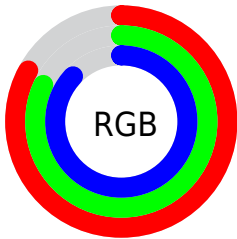
Format	Color
R <sub>Y</sub> B	212, 208, 221
Decimal	13947101
CIE Lab	84.14, 3.76, -5.94
CIE LCh	84, 7.030, 302.310
Yxy	64.3293, 0.3067, 0.3144
Android (android.graphics.Color)	4292137181 (0xFFD4D0DD)
YUV	210.6780, 5.0887, 1.1594
Hunter-Lab	80.2055, -0.6991, -1.1658

# Details

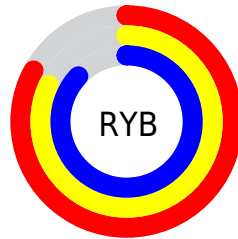
The Yxy color **64.3293, 0.3067, 0.3144** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.0368, 0.3185, 0.3434**, and the grayscale version is **64.8844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.0325, 0.3048, 0.3113** is the 20% darker color. If you saturate the color by 10%, you get **52.1181, 0.2952, 0.2875**, and if you desaturate by 10%, it is **78.2653, 0.3166, 0.3387**.

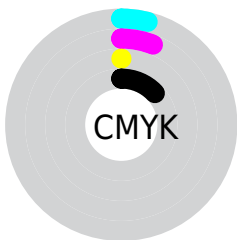
# Distribution



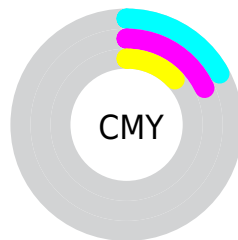
- Red (83%)
- Green (82%)
- Blue (87%)



- Red (83%)
- Yellow (82%)
- Blue (87%)



- Cyan (4%)
- Magenta (6%)
- Yellow (0%)
- Black (13%)



- Cyan (17%)
- Magenta (18%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.3293, 0.3067, 0.3144 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 64.3293, 0.3067, 0.3144 by changing the saturation by 10% instead.



■ 64.3293, 0.3067,  
0.3144

■ 64.3293, 0.3067,  
0.3144

440.3778, 0.3096,  
0.3213

■ 46.9174, 0.3060,  
0.3128

111.0850, 0.3077,  
0.3168

■ 32.9704, 0.3052,  
0.3108

141.1977, 0.3081,  
0.3177

■ 22.1038, 0.3041,  
0.3083

176.3128, 0.3084,  
0.3185

■ 13.9332, 0.3026,  
0.3049

216.8146, 0.3087,  
0.3192

■ 8.0742, 0.3006,  
0.3003

263.0877, 0.3090,  
0.3198

■ 4.1425, 0.2975,  
0.2934

315.5163, 0.3092,

■ 1.7536, 0.2923,

0.3204

0.2823

374.4849, 0.3094,  
0.3208

0.4580, 0.2775,  
0.2412

0.0000, 0.0000,  
0.0000

64.3293, 0.3067,  
0.3144

64.3293, 0.3067,  
0.3144

52.1181, 0.2952,  
0.2875

78.2653, 0.3166,  
0.3387

41.5555, 0.2820,  
0.2581

93.9817, 0.3251,  
0.3603

32.5721, 0.2672,  
0.2268

98.0013, 0.3327,  
0.3621

25.0900, 0.2510,  
0.1944

■ 19.0247, 0.2339,  
0.1625

■ 14.2831, 0.2167,  
0.1328

■ 10.7605, 0.2003,  
0.1073

■ 8.3357, 0.1858,  
0.0877

■ 6.8601, 0.1739,  
0.0748

# Harmonies

## Analogous

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



64.3293, 0.2995, 0.3145



64.3293, 0.3067, 0.3144



64.3293, 0.3156, 0.3181

# Triad

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



64.3293, 0.3067, 0.3144



64.3293, 0.3298, 0.3393



64.3293, 0.3017, 0.3334

# Complementary

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



64.3293, 0.3067, 0.3144



71.0368, 0.3185, 0.3434

# 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.



64.3293, 0.3097, 0.3404



64.3293, 0.3067, 0.3144



64.3293, 0.3260, 0.3437

# Square

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



64.3293, 0.3067, 0.3144



64.3293, 0.3290, 0.3323



64.3293, 0.3186, 0.3441



64.3293, 0.2967, 0.3254



# Rectangle

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



64.3293, 0.3067, 0.3144



64.3293, 0.3213, 0.3222



64.3293, 0.3186, 0.3441



64.3293, 0.3041, 0.3360

# Sweetspot

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



64.3320, 0.3067, 0.3144



96.1226, 0.3107, 0.3241



68.3182, 0.3037, 0.3246



20.6148, 0.3108, 0.3244



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.



64.3320, 0.3067, 0.3144



86.8563, 0.3054, 0.3114



65.3087, 0.3115, 0.3146



13.3180, 0.3049, 0.3101



3.7842, 0.1712, 0.0716



0.2897, 0.1889, 0.0814



# Inverse Universe

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



65.5052, 0.3162, 0.3190



88.7901, 0.3169, 0.3170



70.0682, 0.3139, 0.3436



13.6374, 0.3172, 0.3162



10.3005, 0.4158, 0.2064

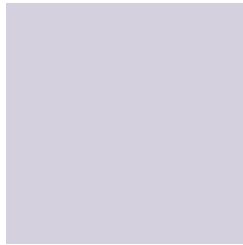


0.6824, 0.3966, 0.1959



# Previews

## White Background



This preview shows how the Yxy color 64.3293, 0.3067, 0.3144 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

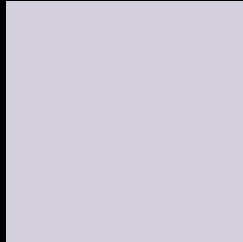
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.3293, 0.3067, 0.3144 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

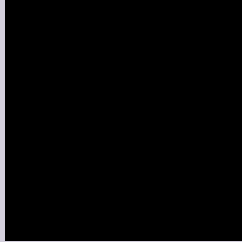
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

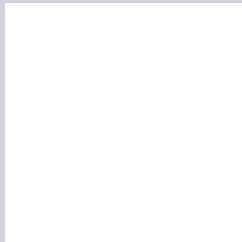
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.3293, 0.3067, 0.3144**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.3293, 0.3067, 0.3144.

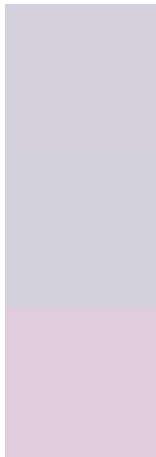


This preview shows how white text looks on a background with the Yxy color 64.3293, 0.3067, 0.3144.

# 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

64.3293, 0.3067, 0.3144

### Protanopia

64.5230, 0.3052, 0.3155

### Deuteranopia

64.4672, 0.3159, 0.3094



## Tritanopia

64.4906, 0.3047, 0.3111

# Trichromacy



## Original Color

64.3293, 0.3067, 0.3144

## Protanomaly

64.6703, 0.3060, 0.3155

## Deuteranomaly

64.1522, 0.3121, 0.3103

## Tritanomaly

64.4365, 0.3054, 0.3122

# Monochromacy



## Original Color

64.3293, 0.3067, 0.3144

## Achromatopsia

65.1406, 0.3127, 0.3290

## Achromatomaly

64.8484, 0.3100, 0.3233

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.3293, 0.3067, 0.3144 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(212, 208, 221)` looks like.

```
.text, #text, p{  
    color:rgb(212, 208, 221)  
}
```

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(212, 208, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 208, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 64.3293, 0.3067, 0.3144 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(212, 208, 221) }
```

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

```
.border{ border-color:rgb(212, 208, 221) }
```

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

Here you see how a box with a 4 pixel rgb(212, 208, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 208, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 208, 221);  
box-shadow:4px 4px 4px 4px rgb(212, 208,  
221) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.3293, 0.3067, 0.3144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 208, 221) }
```

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

```
.background{ background-color: rgb(212,  
208, 221) }
```

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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