

# Converting Colors

$Yxy(64.6956, 0.3177, 0.3336)$

Have a look what the booklet for  
Yxy(64.6956, 0.3177, 0.3336)  
contains.

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# Color

**Yxy(64.6956, 0.3177, 0.3336)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D5D2CE
RGB	213, 210, 206
RGB Percent	84%, 82%, 81%
CMY	0.1650, 0.1764, 0.1922
CMYK	0.00, 0.01, 0.03, 0.16
HSL	35°, 8%, 82%
HSV	35°, 3%, 84%
XYZ	61.6121, 64.6956, 67.6240
YIQ	210.4410, 3.0720, -0.6080

# Conversions

## Conversions Part 2

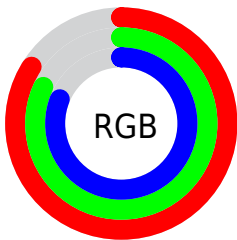
Format	Color
R <sub>Y</sub> B	211, 213, 206
Decimal	14013134
CIE Lab	84.33, 0.28, 2.34
CIE LCh	84, 2.356, 83.097
Yxy	64.6956, 0.3177, 0.3336
Android (android.graphics.Color)	4292203214 (0xFFD5D2CE)
YUV	210.4410, -2.1894, 2.2442
Hunter-Lab	80.4336, -4.0278, 6.4558

# Details

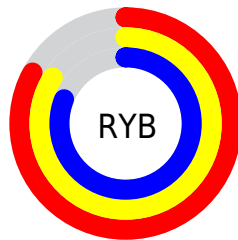
The Yxy color **64.6956, 0.3177, 0.3336** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.4706, 0.3078, 0.3244**, and the grayscale version is **64.7624, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.3130, 0.3184, 0.3350** is the 20% darker color. If you saturate the color by 10%, you get **59.4525, 0.3342, 0.3483**, and if you desaturate by 10%, it is **70.3296, 0.3030, 0.3198**.

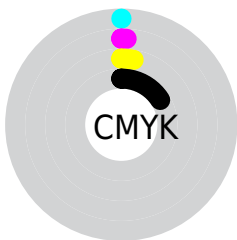
# Distribution



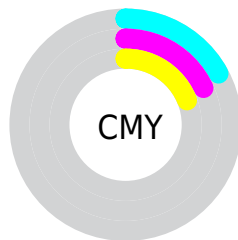
- Red (84%)
- Green (82%)
- Blue (81%)



- Red (83%)
- Yellow (84%)
- Blue (81%)



- Cyan (0%)
- Magenta (1%)
- Yellow (3%)
- Black (16%)



- Cyan (17%)
- Magenta (18%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6956, 0.3177, 0.3336 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 64.6956, 0.3177, 0.3336 by changing the saturation by 10% instead.



■ 64.6956, 0.3177,  
0.3336

■ 64.6956, 0.3177,  
0.3336

441.6973, 0.3153,  
0.3314

■ 47.2143, 0.3183,  
0.3341

111.6121, 0.3169,  
0.3328

■ 33.2051, 0.3189,  
0.3347

141.8161, 0.3166,  
0.3325

■ 22.2836, 0.3198,  
0.3356

177.0298, 0.3163,  
0.3323

■ 14.0654, 0.3210,  
0.3366

217.6375, 0.3160,  
0.3321

■ 8.1662, 0.3227,  
0.3381

264.0238, 0.3158,  
0.3319

■ 4.2015, 0.3251,  
0.3404

316.5729, 0.3157,

■ 1.7869, 0.3292,

0.3317

0.3441

375.6693, 0.3155,  
0.3316

0.4790, 0.3557,  
0.3687

0.0000, 0.0000,  
0.0000

64.6956, 0.3177,  
0.3336

64.6956, 0.3177,  
0.3336

59.4525, 0.3342,  
0.3483

70.3296, 0.3030,  
0.3198

54.5825, 0.3528,  
0.3636

76.3554, 0.2901,  
0.3070

50.0782, 0.3733,  
0.3791

81.7894, 0.2868,  
0.3099

45.9292, 0.3956,  
0.3944

87.0729, 0.2873,  
0.3193

■ 42.1241, 0.4192,  
0.4084

■ 92.6166, 0.2877,  
0.3285

■ 38.6510, 0.4433,  
0.4201

■ 92.8764, 0.2877,  
0.3289

■ 35.4965, 0.4669,  
0.4284

■ 32.6463, 0.4887,  
0.4320

■ 30.0834, 0.5072,  
0.4303

# Harmonies

## Analogous

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



64.6956, 0.3185, 0.3318



64.6956, 0.3177, 0.3336



64.6956, 0.3156, 0.3341

# Triad

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



64.6956, 0.3177, 0.3336



64.6956, 0.3077, 0.3287



64.6956, 0.3128, 0.3248

# Complementary

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



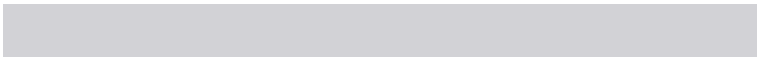
64.6956, 0.3177, 0.3336



63.4706, 0.3078, 0.3244

# 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.



64.6956, 0.3099, 0.3240



64.6956, 0.3177, 0.3336



64.6956, 0.3070, 0.3262

# Square

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



64.6956, 0.3177, 0.3336



64.6956, 0.3098, 0.3313



64.6956, 0.3078, 0.3244



64.6956, 0.3157, 0.3268



# Rectangle

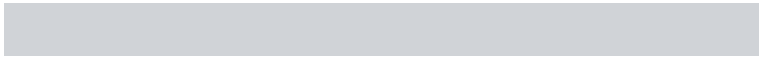
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.6956, 0.3177, 0.3336



64.6956, 0.3137, 0.3337



64.6956, 0.3078, 0.3244



64.6956, 0.3118, 0.3244

# Sweetspot

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



64.6984, 0.3177, 0.3336



99.1577, 0.3142, 0.3304



62.8764, 0.3159, 0.3256



21.2327, 0.3142, 0.3303



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

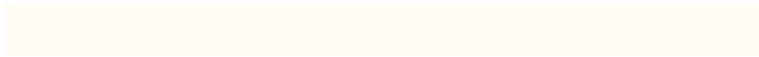


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.6984, 0.3177, 0.3336



96.6664, 0.3189, 0.3347



66.0785, 0.3171, 0.3369



14.1606, 0.3200, 0.3357



17.6283, 0.5163, 0.4282



1.2252, 0.4951, 0.4451

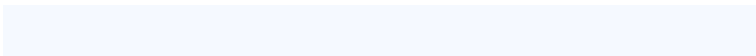


# Inverse Universe

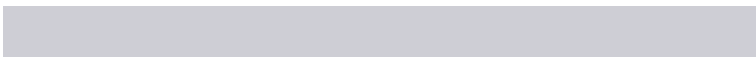
The Inverse Universe completely reimagines the original color for something new.



63.4706, 0.3078, 0.3244



94.3909, 0.3066, 0.3232



62.1239, 0.3082, 0.3210



13.7715, 0.3056, 0.3222



7.5069, 0.1702, 0.1328

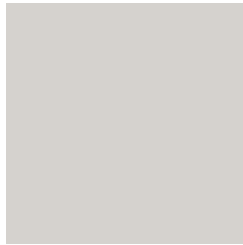


0.6143, 0.1797, 0.1670



# Previews

## White Background



This preview shows how the Yxy color 64.6956, 0.3177, 0.3336 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 64.6956, 0.3177, 0.3336 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

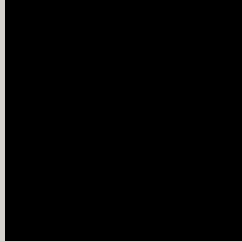
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

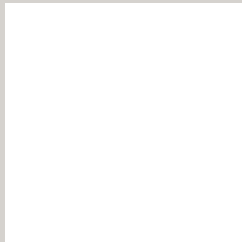
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.6956, 0.3177, 0.3336**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.6956, 0.3177, 0.3336.

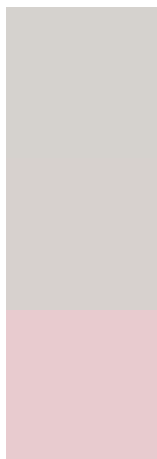


This preview shows how white text looks on a background with the Yxy color 64.6956, 0.3177, 0.3336.

# 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

64.6956, 0.3177, 0.3336

### Protanopia

64.5042, 0.3193, 0.3324

### Deuteranopia

64.3727, 0.3324, 0.3247



## Tritanopia

64.6064, 0.3077, 0.3102

# Trichromacy



## Original Color

64.6956, 0.3177, 0.3336

## Protanomaly

64.3533, 0.3186, 0.3324

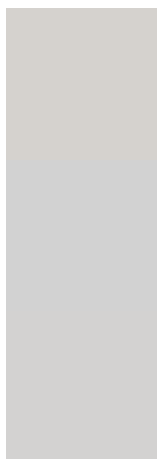
## Deuteranomaly

64.6552, 0.3266, 0.3279

## Tritanomaly

64.5686, 0.3117, 0.3189

# Monochromacy



## Original Color

64.6956, 0.3177, 0.3336

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

64.5455, 0.3142, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.6956, 0.3177, 0.3336 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(213, 210, 206)` looks like.

```
.text, #text, p{  
    color:rgb(213, 210, 206)  
}
```

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(213, 210, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 210, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 64.6956, 0.3177, 0.3336 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(213, 210, 206) }
```

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

```
.border{ border-color:rgb(213, 210, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 210, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 210, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 210, 206);  
box-shadow:4px 4px 4px 4px rgb(213, 210,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.6956, 0.3177, 0.3336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 210, 206) }
```

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

```
.background{ background-color: rgb(213,  
210, 206) }
```

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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