

# Converting Colors

Yxy(64.9453, 0.3114, 0.3245)

Have a look what the booklet for  
Yxy(64.9453, 0.3114, 0.3245)  
contains.

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# Color

**Yxy(64.9453, 0.3114, 0.3245)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4D2D6
RGB	212, 210, 214
RGB Percent	83%, 82%, 84%
CMY	0.1688, 0.1764, 0.1608
CMYK	0.01, 0.02, 0.00, 0.16
HSL	269°, 5%, 83%
HSV	269°, 2%, 84%
XYZ	62.3235, 64.9453, 72.8708
YIQ	211.0540, -0.0920, 1.6680

# Conversions

## Conversions Part 2

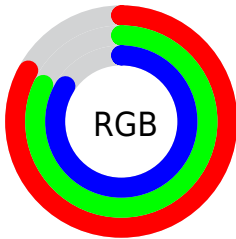
Format	Color
R <sub>Y</sub> B	212, 210, 214
Decimal	13947606
CIE Lab	84.46, 1.39, -1.74
CIE LCh	84, 2.227, 308.503
Yxy	64.9453, 0.3114, 0.3245
Android (android.graphics.Color)	4292137686 (0xFFD4D2D6)
YUV	211.0540, 1.4524, 0.8296
Hunter-Lab	80.5886, -2.9866, 2.8001

# Details

The Yxy color **64.9453, 0.3114, 0.3245** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.7586, 0.3140, 0.3335**, and the grayscale version is **65.1660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.4482, 0.3110, 0.3245** is the 20% darker color. If you saturate the color by 10%, you get **53.4876, 0.3036, 0.2990**, and if you desaturate by 10%, it is **77.9345, 0.3180, 0.3477**.

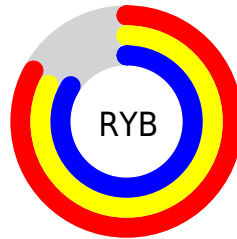
# Distribution



Red (83%)

Green (82%)

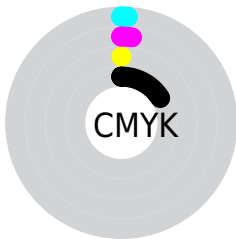
Blue (84%)



Red (83%)

Yellow (82%)

Blue (84%)

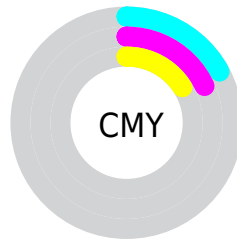


Cyan (1%)

Magenta (2%)

Yellow (0%)

Black (16%)



Cyan (17%)

Magenta (18%)

Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9453, 0.3114, 0.3245 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 64.9453, 0.3114, 0.3245 by changing the saturation by 10% instead.



■ 64.9453, 0.3114,  
0.3245

■ 64.9453, 0.3114,  
0.3245

442.5954, 0.3120,  
0.3266

■ 47.4167, 0.3113,  
0.3240

111.9712, 0.3116,  
0.3252

■ 33.3652, 0.3111,  
0.3234

142.2373, 0.3117,  
0.3255

■ 22.4064, 0.3108,  
0.3226

177.5181, 0.3118,  
0.3258

■ 14.1558, 0.3105,  
0.3215

218.1979, 0.3118,  
0.3260

■ 8.2291, 0.3101,  
0.3201

264.6611, 0.3119,  
0.3262

■ 4.2419, 0.3094,  
0.3179

317.2922, 0.3119,

■ 1.8098, 0.3083,

0.3264

0.3143

376.4755, 0.3120,  
0.3265

0.4933, 0.3038,  
0.2981

0.0000, 0.0000,  
0.0000

64.9453, 0.3114,  
0.3245

64.9453, 0.3114,  
0.3245

53.4876, 0.3036,  
0.2990

77.9345, 0.3180,  
0.3477

43.4950, 0.2945,  
0.2715

92.5017, 0.3236,  
0.3687

34.9089, 0.2841,  
0.2424

95.8169, 0.3305,  
0.3699

27.6629, 0.2724,  
0.2124

97.6352, 0.3370,  
0.3691

■ 21.6856, 0.2596,  
0.1827

■ 16.8985, 0.2461,  
0.1547

■ 13.2140, 0.2325,  
0.1298

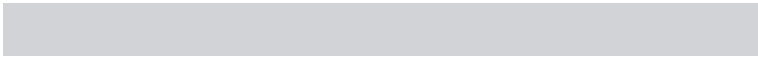
■ 10.5320, 0.2192,  
0.1095

■ 8.7329, 0.2070,  
0.0948

# Harmonies

## Analogous

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



64.9453, 0.3089, 0.3243



64.9453, 0.3114, 0.3245



64.9453, 0.3142, 0.3259

# Triad

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



64.9453, 0.3114, 0.3245



64.9453, 0.3180, 0.3327



64.9453, 0.3088, 0.3299

# Complementary

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



64.9453, 0.3114, 0.3245



66.7586, 0.3140, 0.3335

# 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.



64.9453, 0.3112, 0.3322



64.9453, 0.3114, 0.3245



64.9453, 0.3165, 0.3338

# Square

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



64.9453, 0.3114, 0.3245



64.9453, 0.3180, 0.3306



64.9453, 0.3140, 0.3336



64.9453, 0.3075, 0.3274



# Rectangle

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



64.9453, 0.3114, 0.3245



64.9453, 0.3159, 0.3273



64.9453, 0.3140, 0.3336



64.9453, 0.3095, 0.3307

# Sweetspot

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



64.9481, 0.3114, 0.3245



98.1344, 0.3120, 0.3266



65.7200, 0.3099, 0.3269



21.0245, 0.3120, 0.3267



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.



64.9481, 0.3114, 0.3245



96.2920, 0.3113, 0.3241



65.2362, 0.3128, 0.3245



14.2219, 0.3114, 0.3244



4.7486, 0.1995, 0.0873



0.3356, 0.2187, 0.0978



# Inverse Universe

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



65.1585, 0.3143, 0.3267



96.6316, 0.3144, 0.3265



66.4737, 0.3126, 0.3335



14.2686, 0.3143, 0.3267



9.3523, 0.4874, 0.2459

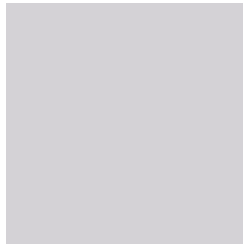


0.5808, 0.4509, 0.2257



# Previews

## White Background



This preview shows how the Yxy color 64.9453, 0.3114, 0.3245 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

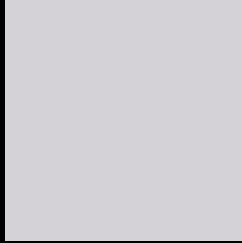
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.9453, 0.3114, 0.3245 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

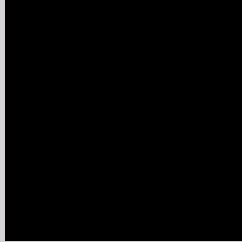
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

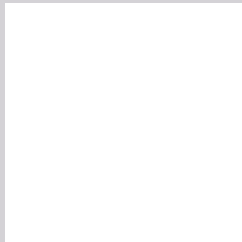
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.9453, 0.3114, 0.3245**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.9453, 0.3114, 0.3245.

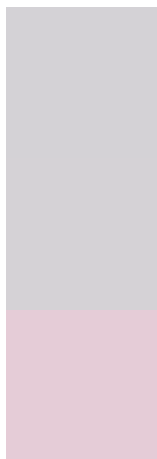


This preview shows how white text looks on a background with the Yxy color 64.9453, 0.3114, 0.3245.

# 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

64.9453, 0.3114, 0.3245

### Protanopia

65.0944, 0.3122, 0.3245

### Deuteranopia

64.7500, 0.3240, 0.3171



## Tritanopia

64.8441, 0.3055, 0.3101

# Trichromacy



## Original Color

64.9453, 0.3114, 0.3245

## Protanomaly

65.0944, 0.3122, 0.3245

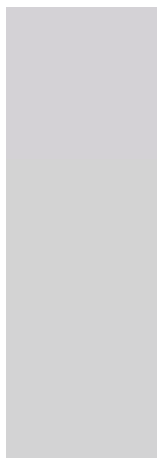
## Deuteranomaly

64.7369, 0.3192, 0.3191

## Tritanomaly

64.9675, 0.3074, 0.3156

# Monochromacy



## Original Color

64.9453, 0.3114, 0.3245

## Achromatopsia

65.1406, 0.3127, 0.3290

## Achromatomaly

65.1909, 0.3120, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.9453, 0.3114, 0.3245 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, 210, 214)` looks like.

```
.text, #text, p{  
    color:rgb(212, 210, 214)  
}
```

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, 210, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 210, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 64.9453, 0.3114, 0.3245 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, 210, 214) }
```

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

```
.border{ border-color:rgb(212, 210, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 210, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 210, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 210, 214);  
box-shadow:4px 4px 4px 4px rgb(212, 210,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.9453, 0.3114, 0.3245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 210, 214) }
```

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

```
.background{ background-color: rgb(212,  
210, 214) }
```

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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