

# Converting Colors

Yxy(67.2565, 0.3144, 0.3319)

Have a look what the booklet for  
Yxy(67.2565, 0.3144, 0.3319)  
contains.

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# Color

**Yxy(67.1427, 0.3141, 0.3312)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6D6D4
RGB	214, 214, 212
RGB Percent	84%, 84%, 83%
CMY	0.1606, 0.1608, 0.1685
CMYK	0.00, 0.00, 0.01, 0.16
HSL	58°, 2%, 84%
HSV	58°, 1%, 84%
XYZ	63.6761, 67.1427, 71.9068
YIQ	213.7720, 0.6420, -0.6220

# Conversions

## Conversions Part 2

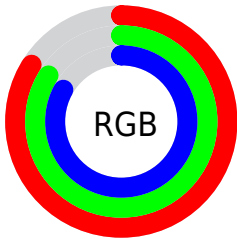
Format	Color
R <sub>Y</sub> B	212, 214, 212
Decimal	14079700
CIE Lab	85.58, -0.32, 0.96
CIE LCh	86, 1.016, 108.516
Yxy	67.1427, 0.3141, 0.3312
Android (android.graphics.Color)	4292269780 (0xFFD6D6D4)
YUV	213.7720, -0.8736, 0.2000
Hunter-Lab	81.9406, -4.6838, 5.3287

# Details

The Yxy color **67.1427, 0.3141, 0.3312** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.9933, 0.3113, 0.3268**, and the grayscale version is **67.0969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.6015, 0.3145, 0.3320** is the 20% darker color. If you saturate the color by 10%, you get **65.7625, 0.3291, 0.3549**, and if you desaturate by 10%, it is **68.6736, 0.2999, 0.3085**.

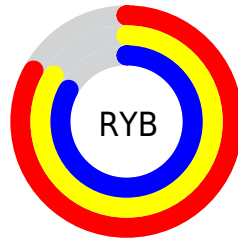
# Distribution



Red (84%)

Green (84%)

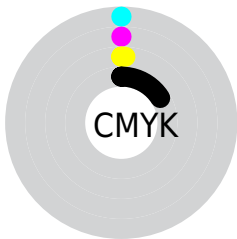
Blue (83%)



Red (83%)

Yellow (84%)

Blue (83%)

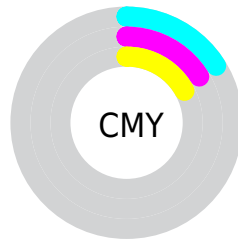


Cyan (0%)

Magenta (0%)

Yellow (1%)

Black (16%)



Cyan (16%)

Magenta (16%)

Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.1427, 0.3141, 0.3312 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 67.1427, 0.3141, 0.3312 by changing the saturation by 10% instead.



■ 67.1427, 0.3141,  
0.3312

■ 67.1427, 0.3141,  
0.3312

450.4525, 0.3135,  
0.3302

■ 49.2006, 0.3142,  
0.3314

115.1249, 0.3139,  
0.3308

■ 34.7786, 0.3144,  
0.3317

145.9337, 0.3138,  
0.3307

■ 23.4924, 0.3147,  
0.3321

181.8003, 0.3137,  
0.3306

■ 14.9575, 0.3150,  
0.3326

223.1089, 0.3136,  
0.3305

■ 8.7896, 0.3154,  
0.3333

270.2441, 0.3136,  
0.3304

■ 4.6042, 0.3161,  
0.3344

323.5902, 0.3135,

■ 2.0170, 0.3171,

0.3303

383.5315, 0.3135,  
0.3302

0.3360

0.6173, 0.3214,  
0.3428

0.0000, 0.0000,  
0.0000

67.1427, 0.3141,  
0.3312

67.1427, 0.3141,  
0.3312

65.7625, 0.3291,  
0.3549

68.6736, 0.2999,  
0.3085

64.5187, 0.3445,  
0.3792

70.3519, 0.2866,  
0.2873

63.4083, 0.3599,  
0.4034

70.7407, 0.2866,  
0.2879

62.4249, 0.3749,  
0.4267

71.1207, 0.2866,  
0.2887

61.5615, 0.3887,  
0.4480

71.5025, 0.2866,  
0.2895

60.8106, 0.4009,  
0.4665

71.8859, 0.2867,  
0.2903

60.1637, 0.4109,  
0.4812

72.2711, 0.2867,  
0.2911

59.6110, 0.4183,  
0.4917

72.6579, 0.2867,  
0.2919

59.1410, 0.4231,  
0.4978

73.0465, 0.2868,  
0.2927

# Harmonies

## Analogous

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



67.1427, 0.3149, 0.3309



67.1427, 0.3141, 0.3312



67.1427, 0.3129, 0.3309

# Triad

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



67.1427, 0.3141, 0.3312



67.1427, 0.3103, 0.3280



67.1427, 0.3138, 0.3279

# Complementary

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



67.1427, 0.3141, 0.3312



65.9933, 0.3113, 0.3268

# 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.



67.1427, 0.3126, 0.3271



67.1427, 0.3141, 0.3312



67.1427, 0.3105, 0.3272

# Square

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



67.1427, 0.3141, 0.3312



67.1427, 0.3107, 0.3290



67.1427, 0.3114, 0.3269



67.1427, 0.3148, 0.3290



# Rectangle

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



67.1427, 0.3141, 0.3312



67.1427, 0.3120, 0.3304



67.1427, 0.3114, 0.3269



67.1427, 0.3134, 0.3276

# Sweetspot

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



67.1456, 0.3141, 0.3312

100.0000, 0.3127, 0.3290



66.1641, 0.3141, 0.3289



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

# Same Dimension

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



67.1456, 0.3141, 0.3312



99.7807, 0.3142, 0.3313



67.0439, 0.3134, 0.3313



14.7017, 0.3141, 0.3312



35.5338, 0.4254, 0.5004



2.1667, 0.4243, 0.5013



# Inverse Universe

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



65.9933, 0.3113, 0.3268



97.9588, 0.3112, 0.3266



66.0945, 0.3120, 0.3267



14.4513, 0.3113, 0.3268



3.0626, 0.1507, 0.0624

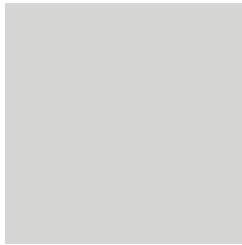


0.2095, 0.1527, 0.0697



# Previews

## White Background



This preview shows how the Yxy color 67.1427, 0.3141, 0.3312 looks on a white background.

## Color Contrast Check

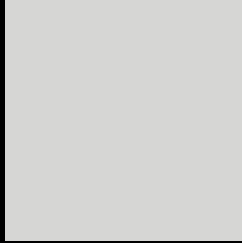
Large Text (above 18pt) WCAG AA × Fail

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 67.1427, 0.3141, 0.3312 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

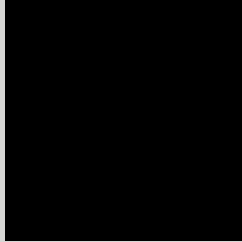
Any Text WCAG AAA ✓ Pass

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

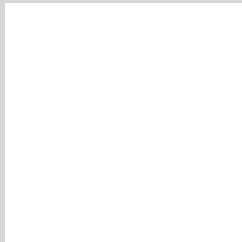


**Yxy 67.1427, 0.3141, 0.3312**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.1427, 0.3141, 0.3312.

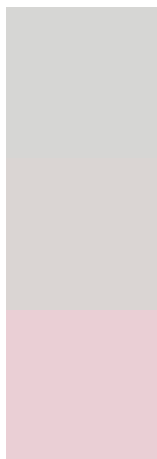


This preview shows how white text looks on a background with the Yxy color 67.1427, 0.3141, 0.3312.

# 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

67.1427, 0.3141, 0.3312

### Protanopia

67.1971, 0.3178, 0.3312

### Deuteranopia

66.9222, 0.3290, 0.3226



## Tritanopia

66.9417, 0.3056, 0.3103

# Trichromacy



## Original Color

67.1427, 0.3141, 0.3312

## Protanomaly

67.0434, 0.3170, 0.3312

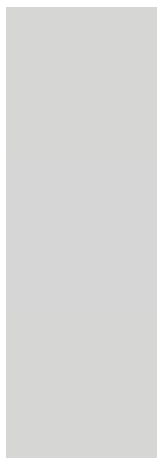
## Deuteranomaly

67.2282, 0.3234, 0.3258

## Tritanomaly

66.9598, 0.3089, 0.3179

# Monochromacy



## Original Color

67.1427, 0.3141, 0.3312

## Achromatopsia

67.2443, 0.3127, 0.3290

## Achromatomaly

67.1934, 0.3134, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.1427, 0.3141, 0.3312 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(214, 214, 212) looks like.

```
.text, #text, p{  
    color:rgb(214, 214, 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(214, 214, 212) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to Yxy 67.1427, 0.3141, 0.3312 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(214, 214, 212) }
```

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

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

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

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

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

# Background

The CSS property to change the background color of an element to Yxy 67.1427, 0.3141, 0.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(214,  
214, 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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