

# Converting Colors

Yxy(64.8020, 0.3035, 0.3103)

Have a look what the booklet for  
Yxy(64.8020, 0.3035, 0.3103)  
contains.

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# Color

**Yxy(65.0342, 0.3040, 0.3111)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4D1E1
RGB	212, 209, 225
RGB Percent	83%, 82%, 88%
CMY	0.1686, 0.1804, 0.1175
CMYK	0.06, 0.07, 0.00, 0.12
HSL	251°, 21%, 85%
HSV	251°, 7%, 88%
XYZ	63.5500, 65.0342, 80.4618
YIQ	211.7210, -3.3480, 5.6120

# Conversions

## Conversions Part 2

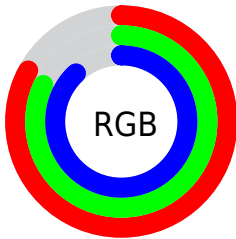
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 209, 225
Decimal	13947361
CIE Lab	84.50, 4.02, -7.54
CIE LCh	85, 8.544, 298.068
Yxy	65.0342, 0.3040, 0.3111
Android (android.graphics.Color)	4292137441 (0xFFD4D1E1)
YUV	211.7210, 6.5465, 0.2447
Hunter-Lab	80.6438, -0.4627, -2.7055

# Details

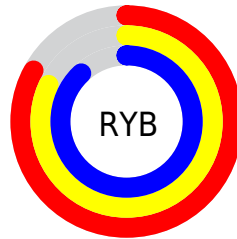
The Yxy color **65.0342, 0.3040, 0.3111** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.0041, 0.3211, 0.3465**, and the grayscale version is **65.6051, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.5131, 0.3012, 0.3070** is the 20% darker color. If you saturate the color by 10%, you get **52.2012, 0.2902, 0.2834**, and if you desaturate by 10%, it is **79.7393, 0.3160, 0.3358**.

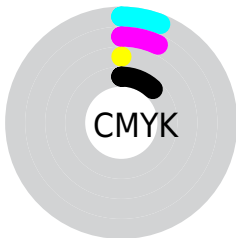
# Distribution



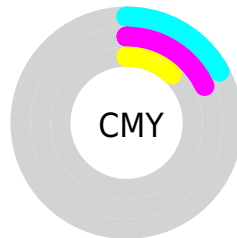
- Red (83%)
- Green (82%)
- Blue (88%)



- Red (83%)
- Yellow (82%)
- Blue (88%)



- Cyan (6%)
- Magenta (7%)
- Yellow (0%)
- Black (12%)



- Cyan (17%)
- Magenta (18%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.0342, 0.3040, 0.3111 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 65.0342, 0.3040, 0.3111 by changing the saturation by 10% instead.



■ 65.0342, 0.3040,  
0.3111

■ 65.0342, 0.3040,  
0.3111

442.9149, 0.3081,  
0.3195

■ 47.4888, 0.3030,  
0.3092

112.0990, 0.3055,  
0.3140

■ 33.4222, 0.3018,  
0.3068

142.3873, 0.3060,  
0.3152

■ 22.4501, 0.3002,  
0.3037

177.6919, 0.3065,  
0.3161

■ 14.1880, 0.2982,  
0.2996

218.3973, 0.3069,  
0.3170

■ 8.2515, 0.2952,  
0.2940

264.8879, 0.3073,  
0.3177

■ 4.2563, 0.2909,  
0.2858

317.5481, 0.3076,

■ 1.8180, 0.2836,

0.3184

0.2726

376.7623, 0.3079,  
0.3190

0.4983, 0.2667,  
0.2325

0.0000, 0.0000,  
0.0000

65.0342, 0.3040,  
0.3111

65.0342, 0.3040,  
0.3111

52.2012, 0.2902,  
0.2834

79.7393, 0.3160,  
0.3358

41.1567, 0.2745,  
0.2530

96.3791, 0.3263,  
0.3576

31.8233, 0.2572,  
0.2204

98.2182, 0.3303,  
0.3581

24.1143, 0.2386,  
0.1866

■ 17.9358, 0.2194,  
0.1533

■ 13.1837, 0.2008,  
0.1227

■ 9.7409, 0.1840,  
0.0970

■ 7.4712, 0.1703,  
0.0782

■ 6.1989, 0.1603,  
0.0668

# Harmonies

## Analogous

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



65.0342, 0.2958, 0.3119



65.0342, 0.3040, 0.3111



65.0342, 0.3146, 0.3149

# Triad

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



65.0342, 0.3040, 0.3111



65.0342, 0.3337, 0.3403



65.0342, 0.3006, 0.3357

# Complementary

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



65.0342, 0.3040, 0.3111



74.0041, 0.3211, 0.3465

# 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.



65.0342, 0.3106, 0.3437



65.0342, 0.3040, 0.3111



65.0342, 0.3298, 0.3463

# Square

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



65.0342, 0.3040, 0.3111



65.0342, 0.3319, 0.3316



65.0342, 0.3212, 0.3476



65.0342, 0.2939, 0.3259



# Rectangle

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



65.0342, 0.3040, 0.3111



65.0342, 0.3217, 0.3196



65.0342, 0.3212, 0.3476



65.0342, 0.3037, 0.3387

# Sweetspot

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



65.0370, 0.3040, 0.3111



96.0126, 0.3103, 0.3241



71.2857, 0.3017, 0.3257



20.5924, 0.3105, 0.3243



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.



65.0370, 0.3040, 0.3111



82.8588, 0.3015, 0.3060



66.2458, 0.3098, 0.3114



13.3670, 0.3010, 0.3050



3.4588, 0.1591, 0.0650



0.2761, 0.1731, 0.0727



# Inverse Universe

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



66.8866, 0.3156, 0.3149



85.9458, 0.3165, 0.3110



72.7801, 0.3154, 0.3468



13.8890, 0.3166, 0.3102



11.2007, 0.3750, 0.1839

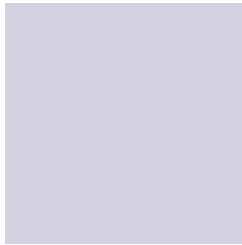


0.7880, 0.3652, 0.1785



# Previews

## White Background



This preview shows how the Yxy color 65.0342, 0.3040, 0.3111 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

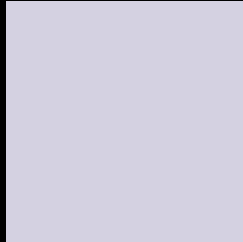
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.0342, 0.3040, 0.3111 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

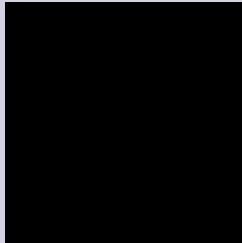
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

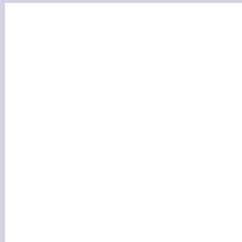
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.0342, 0.3040, 0.3111**

## Background



This preview shows how black text looks on a background with the Yxy color 65.0342, 0.3040, 0.3111.

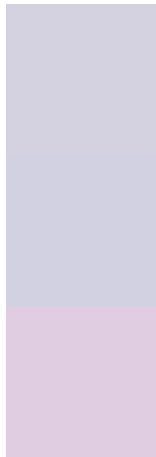


This preview shows how white text looks on a background with the Yxy color 65.0342, 0.3040, 0.3111.

# 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

65.0342, 0.3040, 0.3111

### Protanopia

64.7388, 0.3026, 0.3111

### Deuteranopia

65.0009, 0.3123, 0.3062



## Tritanopia

65.0342, 0.3040, 0.3111

# Trichromacy



## Original Color

65.0342, 0.3040, 0.3111

## Protanomaly

64.8861, 0.3033, 0.3111

## Deuteranomaly

64.8492, 0.3093, 0.3071

## Tritanomaly

65.0342, 0.3040, 0.3111

# Monochromacy



## Original Color

65.0342, 0.3040, 0.3111

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

65.5953, 0.3094, 0.3223

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.0342, 0.3040, 0.3111 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, 209, 225)` looks like.

```
.text, #text, p{  
    color:rgb(212, 209, 225)  
}
```

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, 209, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 209, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 65.0342, 0.3040, 0.3111 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, 209, 225) }
```

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

```
.border{ border-color:rgb(212, 209, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 209, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 209, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 209, 225);  
box-shadow:4px 4px 4px 4px rgb(212, 209,  
225) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.0342, 0.3040, 0.3111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 209, 225) }
```

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

```
.background{ background-color: rgb(212,  
209, 225) }
```

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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