

# Converting Colors

$Yxy(65.5206, 0.3050, 0.3059)$

Have a look what the booklet for  
Yxy(65.5206, 0.3050, 0.3059)  
contains.

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# Color

**Yxy(65.5206, 0.3050, 0.3059)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9D0E5
RGB	217, 208, 229
RGB Percent	85%, 82%, 90%
CMY	0.1488, 0.1844, 0.1019
CMYK	0.05, 0.09, 0.00, 0.10
HSL	266°, 29%, 86%
HSV	266°, 9%, 90%
XYZ	65.3278, 65.5206, 83.3412
YIQ	213.0850, -1.3770, 8.4390

# Conversions

## Conversions Part 2

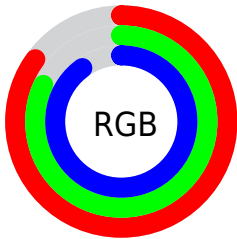
Format	Color
R <sub>Y</sub> B	217, 208, 229
Decimal	14274789
CIE Lab	84.75, 6.98, -9.24
CIE LCh	85, 11.581, 307.078
Yxy	65.5206, 0.3050, 0.3059
Android (android.graphics.Color)	4292464869 (0xFFD9D0E5)
YUV	213.0850, 7.8461, 3.4335
Hunter-Lab	80.9448, 2.4080, -4.3839

# Details

The Yxy color  $65.5206, 0.3050, 0.3059$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $75.8059, 0.3199, 0.3520$ , and the grayscale version is  $66.5532, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $33.8486, 0.3025, 0.3003$  is the 20% darker color. If you saturate the color by 10%, you get  $53.2339, 0.2953, 0.2786$ , and if you desaturate by 10%, it is  $79.5826, 0.3133, 0.3310$ .

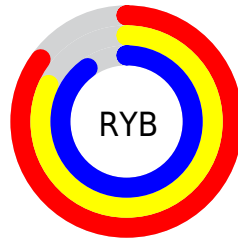
# Distribution



Red (85%)

Green (82%)

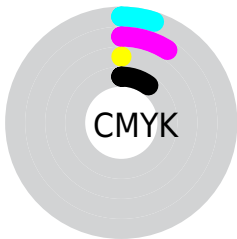
Blue (90%)



Red (85%)

Yellow (82%)

Blue (90%)

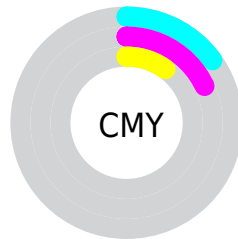


Cyan (5%)

Magenta (9%)

Yellow (0%)

Black (10%)



Cyan (15%)

Magenta (18%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.5206, 0.3050, 0.3059 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 65.5206, 0.3050, 0.3059 by changing the saturation by 10% instead.



65.5206, 0.3050,  
0.3059

65.5206, 0.3050,  
0.3059

444.6604, 0.3087,  
0.3166

47.8833, 0.3041,  
0.3034

112.7980, 0.3063,  
0.3096

33.7345, 0.3030,  
0.3004

143.2069, 0.3068,  
0.3111

22.6897, 0.3016,  
0.2965

178.6418, 0.3072,  
0.3123

14.3646, 0.2997,  
0.2914

219.4872, 0.3076,  
0.3134

8.3747, 0.2971,  
0.2844

266.1273, 0.3079,  
0.3144

4.3356, 0.2930,  
0.2743

318.9466, 0.3082,

1.8630, 0.2864,

0.3152

0.2583

378.3295, 0.3085,  
0.3160

0.5260, 0.2750,  
0.2157

0.0000, 0.0000,  
0.0000

65.5206, 0.3050,  
0.3059

65.5206, 0.3050,  
0.3059

53.2339, 0.2953,  
0.2786

79.5826, 0.3133,  
0.3310

42.6417, 0.2841,  
0.2493

95.4797, 0.3204,  
0.3536

33.6695, 0.2715,  
0.2188

98.4379, 0.3280,  
0.3542

26.2334, 0.2577,  
0.1881

■ 20.2421, 0.2431,  
0.1585

■ 15.5943, 0.2282,  
0.1318

■ 12.1746, 0.2139,  
0.1095

■ 9.8473, 0.2007,  
0.0929

■ 8.4007, 0.1893,  
0.0819

# Harmonies

## Analogous

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



65.5206, 0.2927, 0.3049



65.5206, 0.3050, 0.3059



65.5206, 0.3196, 0.3127

# Triad

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



65.5206, 0.3050, 0.3059



65.5206, 0.3403, 0.3471



65.5206, 0.2930, 0.3341

# Complementary

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



65.5206, 0.3050, 0.3059



75.8059, 0.3199, 0.3520

# 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.



65.5206, 0.3054, 0.3462



65.5206, 0.3050, 0.3059



65.5206, 0.3328, 0.3536

# Square

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



65.5206, 0.3050, 0.3059



65.5206, 0.3403, 0.3361



65.5206, 0.3200, 0.3534



65.5206, 0.2859, 0.3209



# Rectangle

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



65.5206, 0.3050, 0.3059



65.5206, 0.3287, 0.3196



65.5206, 0.3200, 0.3534



65.5206, 0.2967, 0.3385

# Sweetspot

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



65.5234, 0.3050, 0.3059



94.4002, 0.3103, 0.3216



70.3845, 0.2985, 0.3193



19.8928, 0.3096, 0.3196



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.



65.5234, 0.3050, 0.3059



80.4906, 0.3033, 0.3009



67.1361, 0.3125, 0.3064



14.1897, 0.3048, 0.3052



4.8129, 0.1900, 0.0820



0.4096, 0.2063, 0.0910



# Inverse Universe

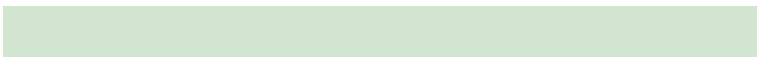
The Inverse Universe completely reimagines the original color for something new.



66.9293, 0.3201, 0.3161



82.6357, 0.3218, 0.3134



74.2627, 0.3128, 0.3525



14.5046, 0.3204, 0.3157



10.4734, 0.4666, 0.2344



0.7925, 0.4395, 0.2195



# Previews

## White Background



This preview shows how the Yxy color 65.5206, 0.3050, 0.3059 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

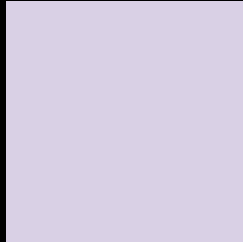
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.5206, 0.3050, 0.3059 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

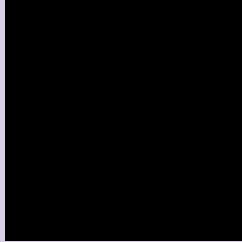
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

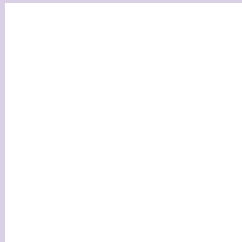
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.5206, 0.3050, 0.3059**

## Background



This preview shows how black text looks on a background with the Yxy color 65.5206, 0.3050, 0.3059.



This preview shows how white text looks on a background with the Yxy color 65.5206, 0.3050, 0.3059.

# 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

65.5206, 0.3050, 0.3059

### Protanopia

65.5080, 0.2993, 0.3068

### Deuteranopia

65.6470, 0.3102, 0.3041



## Tritanopia

65.6361, 0.3069, 0.3113

# Trichromacy



## Original Color

65.5206, 0.3050, 0.3059

## Protanomaly

65.4602, 0.3014, 0.3058

## Deuteranomaly

65.6549, 0.3079, 0.3050

## Tritanomaly

65.6908, 0.3062, 0.3102

# Monochromacy



## Original Color

65.5206, 0.3050, 0.3059

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

65.9991, 0.3095, 0.3201

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.5206, 0.3050, 0.3059 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(217, 208, 229)` looks like.

```
.text, #text, p{  
    color:rgb(217, 208, 229)  
}
```

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(217, 208, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 208, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 65.5206, 0.3050, 0.3059 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(217, 208, 229) }
```

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

```
.border{ border-color:rgb(217, 208, 229) }
```

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

Here you see how a box with a 4 pixel rgb(217, 208, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 208, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 208, 229);  
box-shadow:4px 4px 4px 4px rgb(217, 208,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.5206, 0.3050, 0.3059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 208, 229) }
```

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

```
.background{ background-color: rgb(217,  
208, 229) }
```

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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