

# Converting Colors

$Yxy(69.3785, 0.3172, 0.3383)$

Have a look what the booklet for  
Yxy(69.3785, 0.3172, 0.3383)  
contains.

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# Color

**Yxy(69.3949, 0.3166, 0.3379)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D8DAD2
RGB	216, 218, 210
RGB Percent	85%, 85%, 82%
CMY	0.1530, 0.1451, 0.1764
CMYK	0.01, 0.00, 0.04, 0.15
HSL	75°, 10%, 84%
HSV	75°, 4%, 85%
XYZ	65.0205, 69.3949, 70.9557
YIQ	216.4900, 1.3760, -2.9120

# Conversions

## Conversions Part 2

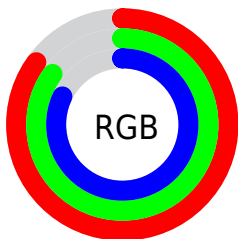
Format	Color
R <sub>Y</sub> B	210, 218, 212
Decimal	14211794
CIE Lab	86.70, -2.11, 3.67
CIE LCh	87, 4.233, 119.848
Yxy	69.3949, 0.3166, 0.3379
Android (android.graphics.Color)	4292401874 (0xFFD8DAD2)
YUV	216.4900, -3.1996, -0.4297
Hunter-Lab	83.3036, -6.4577, 7.8109

# Details

The Yxy color **69.3949, 0.3166, 0.3379** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.1735, 0.3087, 0.3200**, and the grayscale version is **69.0431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.1718, 0.3170, 0.3393** is the 20% darker color. If you saturate the color by 10%, you get **67.5535, 0.3274, 0.3633**, and if you desaturate by 10%, it is **71.4188, 0.3061, 0.3141**.

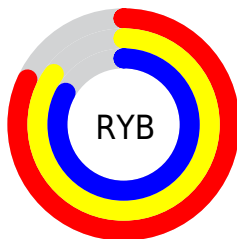
# Distribution



Red (85%)

Green (85%)

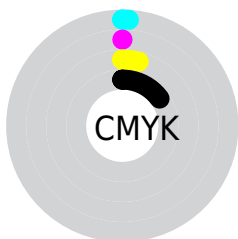
Blue (82%)



Red (82%)

Yellow (85%)

Blue (83%)

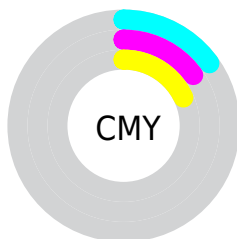


Cyan (1%)

Magenta (0%)

Yellow (4%)

Black (15%)



Cyan (15%)

Magenta (15%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.3949, 0.3166, 0.3379 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 69.3949, 0.3166, 0.3379 by changing the saturation by 10% instead.



■ 69.3949, 0.3166,  
0.3379

■ 69.3949, 0.3166,  
0.3379

458.4225, 0.3148,  
0.3337

■ 51.0334, 0.3170,  
0.3389

118.3454, 0.3160,  
0.3364

■ 36.2352, 0.3175,  
0.3401

149.7032, 0.3157,  
0.3359

■ 24.6159, 0.3182,  
0.3416

186.1619, 0.3155,  
0.3354

■ 15.7911, 0.3190,  
0.3436

228.1059, 0.3153,  
0.3350

■ 9.3765, 0.3202,  
0.3465

275.9196, 0.3152,  
0.3346

■ 4.9875, 0.3219,  
0.3506

329.9873, 0.3150,

■ 2.2400, 0.3247,

0.3343

0.3574

390.6935, 0.3149,  
0.3340

0.7416, 0.3358,  
0.3811

0.0000, 0.0000,  
0.0000

69.3949, 0.3166,  
0.3379

69.3949, 0.3166,  
0.3379

67.5535, 0.3274,  
0.3633

71.4188, 0.3061,  
0.3141

65.8795, 0.3381,  
0.3898

73.6222, 0.2961,  
0.2922

64.3692, 0.3485,  
0.4169

74.6272, 0.2990,  
0.2913

63.0154, 0.3579,  
0.4437

75.5733, 0.3028,  
0.2917

■ 61.8106, 0.3661,  
0.4692

■ 76.5491, 0.3066,  
0.2921

■ 60.7462, 0.3723,  
0.4921

■ 77.5547, 0.3104,  
0.2926

■ 59.8127, 0.3761,  
0.5114

■ 78.5904, 0.3143,  
0.2930

■ 58.9993, 0.3774,  
0.5263

■ 78.6279, 0.3144,  
0.2930

■ 58.2927, 0.3762,  
0.5363

# Harmonies

## Analogous

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



69.3949, 0.3208, 0.3375



69.3949, 0.3166, 0.3379



69.3949, 0.3114, 0.3359

# Triad

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



69.3949, 0.3166, 0.3379



69.3949, 0.3027, 0.3231



69.3949, 0.3189, 0.3260

# Complementary

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



69.3949, 0.3166, 0.3379



65.1735, 0.3087, 0.3200

# Split Complementary

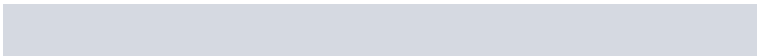
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.3949, 0.3140, 0.3223



69.3949, 0.3166, 0.3379



69.3949, 0.3047, 0.3206

# Square

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



69.3949, 0.3166, 0.3379



69.3949, 0.3034, 0.3273



69.3949, 0.3088, 0.3203



69.3949, 0.3221, 0.3306



# Rectangle

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



69.3949, 0.3166, 0.3379



69.3949, 0.3081, 0.3334



69.3949, 0.3088, 0.3203



69.3949, 0.3174, 0.3247

# Sweetspot

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



69.3979, 0.3166, 0.3379



99.7140, 0.3138, 0.3314



66.6589, 0.3185, 0.3312



21.3459, 0.3137, 0.3313



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.



69.3979, 0.3166, 0.3379



98.8715, 0.3170, 0.3388



68.8025, 0.3137, 0.3380



15.2835, 0.3177, 0.3405



34.7303, 0.3752, 0.5403



2.2901, 0.3827, 0.5343



# Inverse Universe

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



65.1735, 0.3087, 0.3200



92.2499, 0.3083, 0.3191



65.7690, 0.3117, 0.3201



14.0900, 0.3076, 0.3174



3.5706, 0.1653, 0.0684

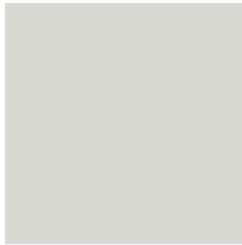


0.2723, 0.1822, 0.0777



# Previews

## White Background



This preview shows how the Yxy color 69.3949, 0.3166, 0.3379 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

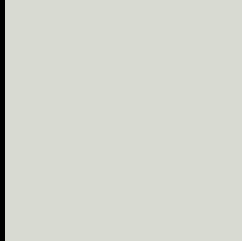
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.3949, 0.3166, 0.3379 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

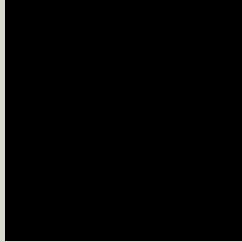
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

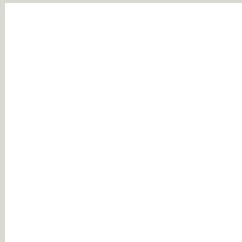
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.3949, 0.3166, 0.3379**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.3949, 0.3166, 0.3379.

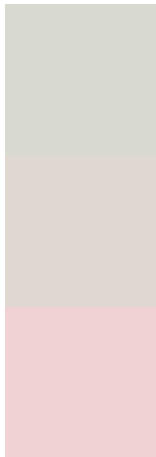


This preview shows how white text looks on a background with the Yxy color 69.3949, 0.3166, 0.3379.

# 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

69.3949, 0.3166, 0.3379

### Protanopia

69.4032, 0.3226, 0.3367

### Deuteranopia

69.3719, 0.3340, 0.3269



## Tritanopia

69.4871, 0.3043, 0.3106

# Trichromacy



## Original Color

69.3949, 0.3166, 0.3379

## Protanomaly

69.4448, 0.3203, 0.3379

## Deuteranomaly

69.2806, 0.3275, 0.3312

## Tritanomaly

69.3990, 0.3088, 0.3202

# Monochromacy



## Original Color

69.3949, 0.3166, 0.3379

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

69.0797, 0.3140, 0.3323

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.3949, 0.3166, 0.3379 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(216, 218, 210)` looks like.

```
.text, #text, p{  
    color:rgb(216, 218, 210)  
}
```

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(216, 218, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 218, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 69.3949, 0.3166, 0.3379 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(216, 218, 210) }
```

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

```
.border{ border-color:rgb(216, 218, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 218, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 218, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 218, 210);  
box-shadow:4px 4px 4px 4px rgb(216, 218,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.3949, 0.3166, 0.3379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 218, 210) }
```

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

```
.background{ background-color: rgb(216,  
218, 210) }
```

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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