

# Converting Colors

$Yxy(69.3893, 0.3170, 0.3317)$

Have a look what the booklet for  
Yxy(69.3893, 0.3170, 0.3317)  
contains.

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# Color

**Yxy(69.1824, 0.3170, 0.3312)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DCD8D6
RGB	220, 216, 214
RGB Percent	86%, 85%, 84%
CMY	0.1371, 0.1530, 0.1608
CMYK	0.00, 0.02, 0.03, 0.14
HSL	20°, 8%, 85%
HSV	20°, 3%, 86%
XYZ	66.2162, 69.1824, 73.4854
YIQ	216.9680, 3.0260, 0.2260

# Conversions

## Conversions Part 2

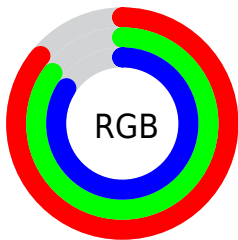
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	220, 217, 214
Decimal	14473430
CIE Lab	86.59, 1.03, 1.45
CIE LCh	87, 1.782, 54.694
Yxy	69.1824, 0.3170, 0.3312
Android (android.graphics.Color)	4292663510 (0xFFD8D8D6)
YUV	216.9680, -1.4632, 2.6591
Hunter-Lab	83.1760, -3.4544, 5.8408

# Details

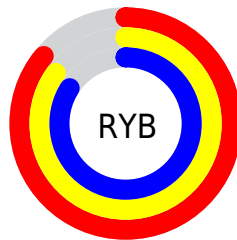
The Yxy color **69.1824, 0.3170, 0.3312** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.6320, 0.3085, 0.3268**, and the grayscale version is **69.3783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.9923, 0.3183, 0.3319** is the 20% darker color. If you saturate the color by 10%, you get **60.9177, 0.3344, 0.3396**, and if you desaturate by 10%, it is **78.2827, 0.3023, 0.3234**.

# Distribution



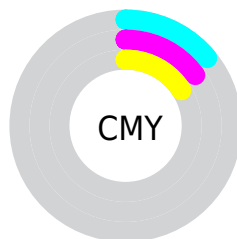
- Red (86%)
- Green (85%)
- Blue (84%)



- Red (86%)
- Yellow (85%)
- Blue (84%)



- Cyan (0%)
- Magenta (2%)
- Yellow (3%)
- Black (14%)



- Cyan (14%)
- Magenta (15%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.1824, 0.3170, 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 69.1824, 0.3170, 0.3312 by changing the saturation by 10% instead.



■ 69.1824, 0.3170,  
0.3312

■ 69.1824, 0.3170,  
0.3312

457.6740, 0.3150,  
0.3302

■ 50.8603, 0.3175,  
0.3314

118.0421, 0.3163,  
0.3308

■ 36.0974, 0.3180,  
0.3317

149.3484, 0.3160,  
0.3307

■ 24.5094, 0.3188,  
0.3321

185.7516, 0.3158,  
0.3306

■ 15.7120, 0.3197,  
0.3326

227.6360, 0.3156,  
0.3305

■ 9.3206, 0.3211,  
0.3332

275.3860, 0.3154,  
0.3304

■ 4.9509, 0.3230,  
0.3342

329.3861, 0.3153,

■ 2.2185, 0.3262,

0.3303

390.0207, 0.3151,  
0.3302

0.3358

0.7300, 0.3356,  
0.3408

0.0000, 0.0000,  
0.0000

69.1824, 0.3170,  
0.3312

69.1824, 0.3170,  
0.3312

60.9177, 0.3344,  
0.3396

78.2827, 0.3023,  
0.3234

53.4559, 0.3550,  
0.3485

88.0369, 0.2914,  
0.3192

46.7751, 0.3791,  
0.3577

93.9607, 0.2917,  
0.3289

40.8490, 0.4070,  
0.3666

■ 35.6498, 0.4386,  
0.3746

■ 31.1479, 0.4731,  
0.3807

■ 27.3115, 0.5090,  
0.3838

■ 24.1058, 0.5433,  
0.3824

■ 21.4921, 0.5729,  
0.3761

# Harmonies

## Analogous

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



69.1824, 0.3165, 0.3294



69.1824, 0.3170, 0.3312



69.1824, 0.3163, 0.3325

# Triad

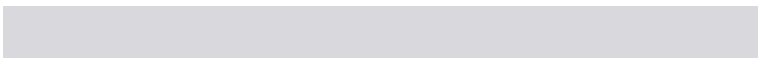
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.1824, 0.3170, 0.3312



69.1824, 0.3105, 0.3306



69.1824, 0.3107, 0.3253

# Complementary

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



69.1824, 0.3170, 0.3312



69.6320, 0.3085, 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.



69.1824, 0.3091, 0.3256



69.1824, 0.3170, 0.3312



69.1824, 0.3090, 0.3287

# Square

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



69.1824, 0.3170, 0.3312



69.1824, 0.3126, 0.3321



69.1824, 0.3085, 0.3268



69.1824, 0.3129, 0.3260



# Rectangle

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



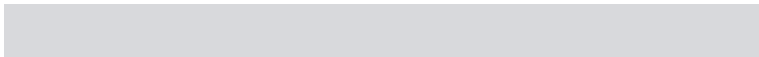
69.1824, 0.3170, 0.3312



69.1824, 0.3153, 0.3328



69.1824, 0.3085, 0.3268



69.1824, 0.3101, 0.3253

# Sweetspot

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



69.1854, 0.3170, 0.3312



98.7516, 0.3143, 0.3298



68.3858, 0.3143, 0.3245



21.1501, 0.3142, 0.3298



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.



69.1854, 0.3170, 0.3312



96.2901, 0.3175, 0.3314



70.7016, 0.3168, 0.3344



14.7732, 0.3187, 0.3320



11.8777, 0.5878, 0.3715



0.9243, 0.5559, 0.3968



# Inverse Universe

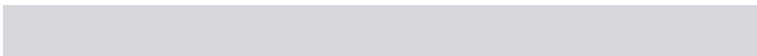
The Inverse Universe completely reimagines the original color for something new.



69.6320, 0.3085, 0.3268



96.9778, 0.3081, 0.3266



68.1239, 0.3086, 0.3235



14.9054, 0.3069, 0.3259



15.5656, 0.1939, 0.2179

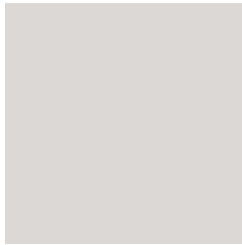


1.1637, 0.1995, 0.2382



# Previews

## White Background



This preview shows how the Yxy color 69.1824, 0.3170, 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 69.1824, 0.3170, 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

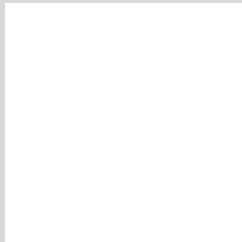
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.1824, 0.3170, 0.3312**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.1824, 0.3170, 0.3312.

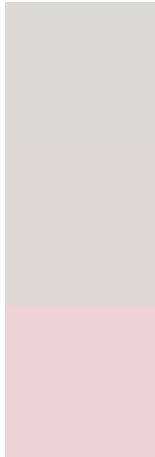


This preview shows how white text looks on a background with the Yxy color 69.1824, 0.3170, 0.3312.

# 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

69.1824, 0.3170, 0.3312

### Protanopia

69.3389, 0.3177, 0.3312

### Deuteranopia

69.1766, 0.3303, 0.3238



## Tritanopia

68.8313, 0.3078, 0.3106

# Trichromacy



## Original Color

69.1824, 0.3170, 0.3312

## Protanomaly

69.3389, 0.3177, 0.3312

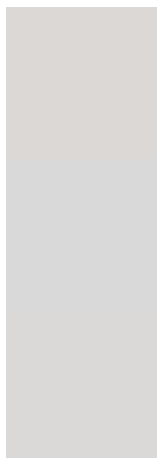
## Deuteranomaly

68.9822, 0.3248, 0.3258

## Tritanomaly

68.8471, 0.3110, 0.3181

# Monochromacy



## Original Color

69.1824, 0.3170, 0.3312

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

69.4890, 0.3141, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.1824, 0.3170, 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(220, 216, 214)` looks like.

```
.text, #text, p{  
    color:rgb(220, 216, 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(220, 216, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 216, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 69.1824, 0.3170, 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(220, 216, 214) }
```

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

```
.border{ border-color:rgb(220, 216, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 216, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 216, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 216, 214);  
box-shadow:4px 4px 4px 4px rgb(220, 216,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.1824, 0.3170, 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(220, 216, 214) }
```

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

```
.background{ background-color: rgb(220,  
216, 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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