

# Converting Colors

$Y_{xy}(70.1263, 0.3096, 0.3334)$

Have a look what the booklet for  
Yxy(70.1263, 0.3096, 0.3334)  
contains.

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# Color

**Yxy(70.1413, 0.3097, 0.3334)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4DCD8
RGB	212, 220, 216
RGB Percent	83%, 86%, 85%
CMY	0.1684, 0.1373, 0.1528
CMYK	0.04, 0.00, 0.02, 0.14
HSL	150°, 10%, 85%
HSV	150°, 4%, 86%
XYZ	65.1553, 70.1413, 75.0853
YIQ	217.1520, -3.4840, -2.9400

# Conversions

## Conversions Part 2

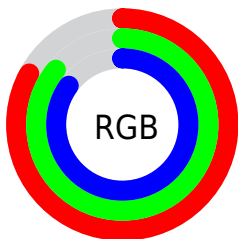
Format	Color
R <sub>Y</sub> B	212, 217, 220
Decimal	13950168
CIE Lab	87.07, -3.38, 1.00
CIE LCh	87, 3.530, 163.482
Yxy	70.1413, 0.3097, 0.3334
Android (android.graphics.Color)	4292140248 (0xFFD4DCD8)
YUV	217.1520, -0.5679, -4.5183
Hunter-Lab	83.7504, -7.6957, 5.4696

# Details

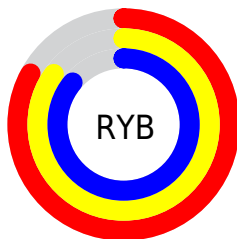
The Yxy color **70.1413, 0.3097, 0.3334** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.2923, 0.3158, 0.3246**, and the grayscale version is **69.5122, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.6516, 0.3087, 0.3349** is the 20% darker color. If you saturate the color by 10%, you get **66.5429, 0.3014, 0.3466**, and if you desaturate by 10%, it is **74.2292, 0.3181, 0.3216**.

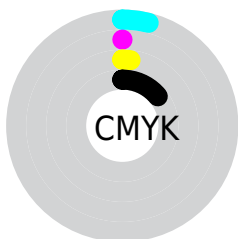
# Distribution



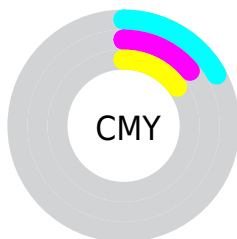
- Red (83%)
- Green (86%)
- Blue (85%)



- Red (83%)
- Yellow (85%)
- Blue (86%)



- Cyan (4%)
- Magenta (0%)
- Yellow (2%)
- Black (14%)



- Cyan (17%)
- Magenta (14%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.1413, 0.3097, 0.3334 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 70.1413, 0.3097, 0.3334 by changing the saturation by 10% instead.



■ 70.1413, 0.3097,  
0.3334

■ 70.1413, 0.3097,  
0.3334

461.0460, 0.3111,  
0.3314

■ 51.6417, 0.3094,  
0.3339

119.4102, 0.3102,  
0.3327

■ 36.7196, 0.3090,  
0.3345

150.9484, 0.3104,  
0.3324

■ 24.9905, 0.3084,  
0.3352

187.6016, 0.3105,  
0.3322

■ 16.0699, 0.3078,  
0.3362

229.7541, 0.3107,  
0.3320

■ 9.5737, 0.3068,  
0.3376

277.7904, 0.3108,  
0.3318

■ 5.1172, 0.3054,  
0.3396

332.0949, 0.3109,

■ 2.3162, 0.3032,

0.3316

393.0520, 0.3110,  
0.3315

0.3429

0.7823, 0.2971,  
0.3516

0.0000, 0.0000,  
0.0000

70.1413, 0.3097,  
0.3334

70.1413, 0.3097,  
0.3334

66.5429, 0.3014,  
0.3466

74.2292, 0.3181,  
0.3216

63.4066, 0.2934,  
0.3613

78.6133, 0.3256,  
0.3112

60.7153, 0.2861,  
0.3775

79.2801, 0.3182,  
0.3006

58.4477, 0.2796,  
0.3951

79.6584, 0.3143,  
0.2950

■ 56.5809, 0.2743,  
0.4137

■ 55.0892, 0.2706,  
0.4332

■ 53.9443, 0.2687,  
0.4530

■ 53.1132, 0.2688,  
0.4725

■ 52.5565, 0.2709,  
0.4913

# Harmonies

## Analogous

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



70.1413, 0.3140, 0.3359



70.1413, 0.3097, 0.3334



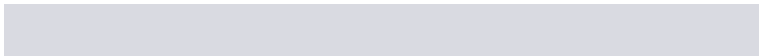
70.1413, 0.3062, 0.3297

# Triad

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



70.1413, 0.3097, 0.3334



70.1413, 0.3074, 0.3217



70.1413, 0.3211, 0.3320

# Complementary

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



70.1413, 0.3097, 0.3334



67.2923, 0.3158, 0.3246

# 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.



70.1413, 0.3193, 0.3283



70.1413, 0.3097, 0.3334



70.1413, 0.3114, 0.3223

# Square

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



70.1413, 0.3097, 0.3334



70.1413, 0.3049, 0.3230



70.1413, 0.3157, 0.3247



70.1413, 0.3206, 0.3350



# Rectangle

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



70.1413, 0.3097, 0.3334



70.1413, 0.3048, 0.3271



70.1413, 0.3157, 0.3247



70.1413, 0.3207, 0.3308

# Sweetspot

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



70.1443, 0.3097, 0.3334



99.4377, 0.3119, 0.3302



70.5581, 0.3152, 0.3378



21.2897, 0.3119, 0.3302



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.



70.1443, 0.3097, 0.3334



97.7923, 0.3093, 0.3339



70.3447, 0.3072, 0.3291



15.0892, 0.3088, 0.3348



30.7234, 0.2722, 0.5000



2.0078, 0.2639, 0.4701



# Inverse Universe

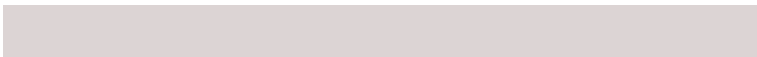
The Inverse Universe completely reimagines the original color for something new.



67.2923, 0.3158, 0.3246



93.3398, 0.3162, 0.3241



67.0965, 0.3185, 0.3289



14.2866, 0.3169, 0.3233



9.6137, 0.4949, 0.2500

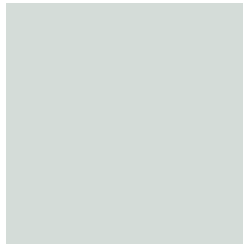


0.6402, 0.4589, 0.2302



# Previews

## White Background



This preview shows how the Yxy color 70.1413, 0.3097, 0.3334 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

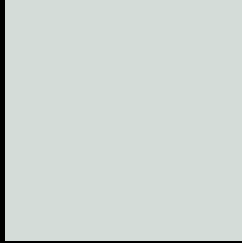
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.1413, 0.3097, 0.3334 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

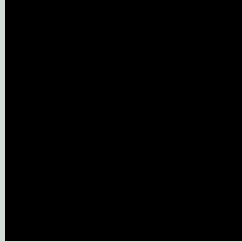
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

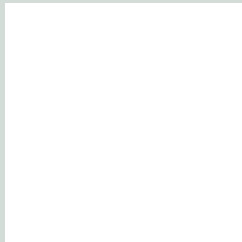
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.1413, 0.3097, 0.3334**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.1413, 0.3097, 0.3334.



This preview shows how white text looks on a background with the Yxy color 70.1413, 0.3097, 0.3334.

# 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

70.1413, 0.3097, 0.3334

### Protanopia

70.1687, 0.3191, 0.3323

### Deuteranopia

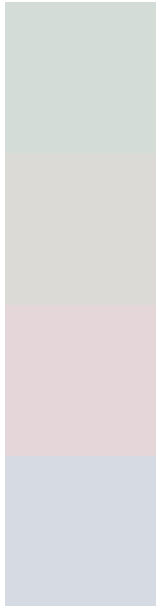
70.0012, 0.3288, 0.3217



## Tritanopia

70.0133, 0.3002, 0.3105

# Trichromacy



## Original Color

70.1413, 0.3097, 0.3334

## Protanomaly

70.1092, 0.3154, 0.3323

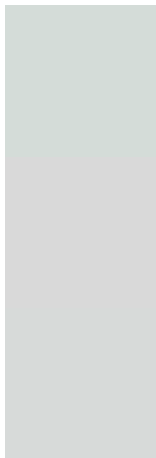
## Deuteranomaly

69.7609, 0.3217, 0.3258

## Tritanomaly

69.9850, 0.3040, 0.3191

# Monochromacy



## Original Color

70.1413, 0.3097, 0.3334

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

69.5996, 0.3112, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.1413, 0.3097, 0.3334 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, 220, 216)` looks like.

```
.text, #text, p{  
    color:rgb(212, 220, 216)  
}
```

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, 220, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 220, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 70.1413, 0.3097, 0.3334 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, 220, 216) }
```

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

```
.border{ border-color:rgb(212, 220, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 220, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 220, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 220, 216);  
box-shadow:4px 4px 4px 4px rgb(212, 220,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.1413, 0.3097, 0.3334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 220, 216) }
```

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

```
.background{ background-color: rgb(212,  
220, 216) }
```

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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