

# Converting Colors

Yxy(69.1034, 0.3052, 0.3344)

Have a look what the booklet for  
Yxy(69.1034, 0.3052, 0.3344)  
contains.

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# Color

**Yxy(69.0718, 0.3054, 0.3346)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CDDCD7
RGB	205, 220, 215
RGB Percent	80%, 86%, 84%
CMY	0.1960, 0.1373, 0.1568
CMYK	0.07, 0.00, 0.02, 0.14
HSL	160°, 18%, 83%
HSV	160°, 7%, 86%
XYZ	63.0440, 69.0718, 74.3151
YIQ	214.9450, -7.3350, -4.7350

# Conversions

## Conversions Part 2

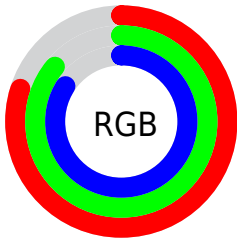
Format	Color
RYB	205, 214, 220
Decimal	13491415
CIELab	86.54, -5.93, 0.70
CIElCh	87, 5.970, 173.248
Yxy	69.0718, 0.3054, 0.3346
Android (android.graphics.Color)	4291681495 (0xFFCDDCD7)
YUV	214.9450, 0.0271, -8.7218
Hunter-Lab	83.1094, -10.0375, 5.1604

# Details

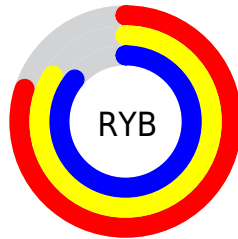
The Yxy color **69.0718, 0.3054, 0.3346** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.5451, 0.3206, 0.3235**, and the grayscale version is **67.9249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.0276, 0.3041, 0.3364** is the 20% darker color. If you saturate the color by 10%, you get **65.7950, 0.2949, 0.3436**, and if you desaturate by 10%, it is **72.8111, 0.3162, 0.3265**.

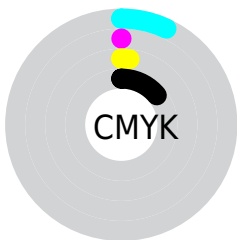
# Distribution



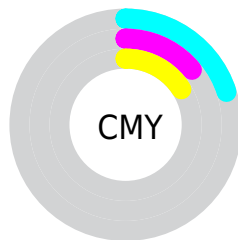
- Red (80%)
- Green (86%)
- Blue (84%)



- Red (80%)
- Yellow (84%)
- Blue (86%)



- Cyan (7%)
- Magenta (0%)
- Yellow (2%)
- Black (14%)



- Cyan (20%)
- Magenta (14%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.0718, 0.3054, 0.3346 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 69.0718, 0.3054, 0.3346 by changing the saturation by 10% instead.



■ 69.0718, 0.3054,  
0.3346

■ 69.0718, 0.3054,  
0.3346

457.2842, 0.3088,  
0.3320

■ 50.7702, 0.3046,  
0.3352

117.8841, 0.3066,  
0.3337

■ 36.0257, 0.3036,  
0.3360

149.1636, 0.3071,  
0.3333

■ 24.4541, 0.3024,  
0.3369

185.5379, 0.3075,  
0.3330

■ 15.6708, 0.3007,  
0.3382

227.3913, 0.3078,  
0.3328

■ 9.2915, 0.2984,  
0.3400

275.1082, 0.3081,  
0.3325

■ 4.9318, 0.2950,  
0.3426

329.0731, 0.3084,

■ 2.2073, 0.2896,

0.3323

389.6703, 0.3086,  
0.3321

0.3468

0.7240, 0.2708,  
0.3608

0.0000, 0.0000,  
0.0000

69.0718, 0.3054,  
0.3346

69.0718, 0.3054,  
0.3346

65.7950, 0.2949,  
0.3436

72.8111, 0.3162,  
0.3265

62.9535, 0.2851,  
0.3535

77.0216, 0.3271,  
0.3193


60.5304, 0.2761,  
0.3642


78.5549, 0.3264,  
0.3122

58.5045, 0.2683,  
0.3757

78.9906, 0.3214,  
0.3052

 56.8526, 0.2620,  
0.3879


 79.4439, 0.3166,  
0.2982

 55.5489, 0.2574,  
0.4004

 79.6637, 0.3143,  
0.2950

 54.5644, 0.2548,  
0.4132

 53.8653, 0.2543,  
0.4261

 53.4076, 0.2557,  
0.4387

# Harmonies

## Analogous

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



69.0718, 0.3125, 0.3397



69.0718, 0.3054, 0.3346



69.0718, 0.3003, 0.3280

# Triad

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



69.0718, 0.3054, 0.3346



69.0718, 0.3057, 0.3165



69.0718, 0.3271, 0.3360

# Complementary

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



69.0718, 0.3054, 0.3346



63.5451, 0.3206, 0.3235

# 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.



69.0718, 0.3253, 0.3298



69.0718, 0.3054, 0.3346



69.0718, 0.3128, 0.3187

# Square

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



69.0718, 0.3054, 0.3346



69.0718, 0.3005, 0.3177



69.0718, 0.3200, 0.3235



69.0718, 0.3251, 0.3404



# Rectangle

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



69.0718, 0.3054, 0.3346



69.0718, 0.2987, 0.3237



69.0718, 0.3200, 0.3235



69.0718, 0.3269, 0.3340

# Sweetspot

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



69.0747, 0.3054, 0.3346



98.9369, 0.3105, 0.3306



69.2973, 0.3155, 0.3459



21.1877, 0.3106, 0.3305



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.



69.0747, 0.3054, 0.3346



95.9054, 0.3041, 0.3357



68.0347, 0.3022, 0.3262



14.7522, 0.3026, 0.3369



31.2974, 0.2558, 0.4408



2.0433, 0.2501, 0.4202



# Inverse Universe

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



63.5451, 0.3206, 0.3235



86.8212, 0.3222, 0.3224



64.5042, 0.3240, 0.3318



13.1225, 0.3240, 0.3213



9.2312, 0.5634, 0.2877



0.6137, 0.5172, 0.2623



# Previews

## White Background



This preview shows how the Yxy color 69.0718, 0.3054, 0.3346 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

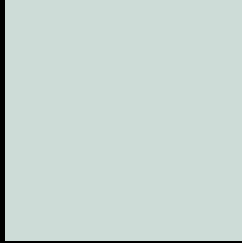
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.0718, 0.3054, 0.3346 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

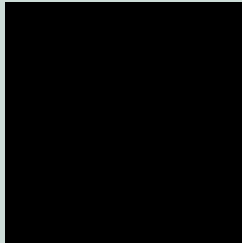
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

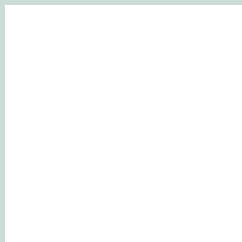
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.0718, 0.3054, 0.3346**

## Background



This preview shows how black text looks on a background with the Yxy color 69.0718, 0.3054, 0.3346.

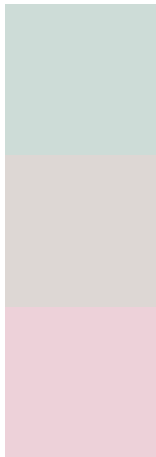


This preview shows how white text looks on a background with the Yxy color 69.0718, 0.3054, 0.3346.

# 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

69.0718, 0.3054, 0.3346

### Protanopia

68.7265, 0.3192, 0.3323

### Deuteranopia

68.6152, 0.3282, 0.3206



## Tritanopia

68.9761, 0.2954, 0.3102

# Trichromacy



## Original Color

69.0718, 0.3054, 0.3346

## Protanomaly

68.8769, 0.3140, 0.3335

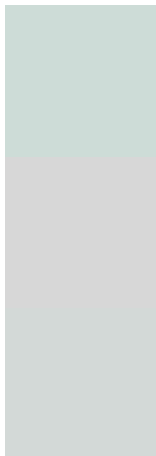
## Deuteranomaly

68.5539, 0.3195, 0.3258

## Tritanomaly

68.9543, 0.2991, 0.3189

# Monochromacy



## Original Color

69.0718, 0.3054, 0.3346

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

68.3809, 0.3097, 0.3312

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.0718, 0.3054, 0.3346 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(205, 220, 215)` looks like.

```
.text, #text, p{  
    color:rgb(205, 220, 215)  
}
```

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(205, 220, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 220, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 69.0718, 0.3054, 0.3346 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(205, 220, 215) }
```

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

```
.border{ border-color:rgb(205, 220, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 220, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 220, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 220, 215);  
box-shadow:4px 4px 4px 4px rgb(205, 220,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.0718, 0.3054, 0.3346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 220, 215) }
```

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

```
.background{ background-color: rgb(205,  
220, 215) }
```

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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