

# Converting Colors

$Yxy(65.9659, 0.3035, 0.3332)$

Have a look what the booklet for  
Yxy(65.9659, 0.3035, 0.3332)  
contains.

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# Color

**Yxy(66.1446, 0.3039, 0.3336)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8D8D4
RGB	200, 216, 212
RGB Percent	78%, 85%, 83%
CMY	0.2157, 0.1529, 0.1686
CMYK	0.07, 0.00, 0.02, 0.15
HSL	165°, 17%, 82%
HSV	165°, 7%, 85%
XYZ	60.2558, 66.1446, 71.8748
YIQ	210.7600, -8.2520, -4.6360

# Conversions

## Conversions Part 2

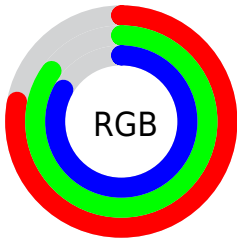
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	200, 209, 216
Decimal	13162708
CIE Lab	85.07, -6.12, 0.12
CIE LCh	85, 6.121, 178.901
Yxy	66.1446, 0.3039, 0.3336
Android (android.graphics.Color)	4291352788 (0xFFC8D8D4)
YUV	210.7600, 0.6113, -9.4365
Hunter-Lab	81.3293, -10.0780, 4.5330

# Details

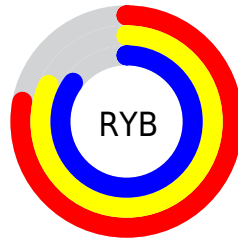
The Yxy color **66.1446, 0.3039, 0.3336** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.2634, 0.3223, 0.3244**, and the grayscale version is **64.9750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.0351, 0.3021, 0.3351** is the 20% darker color. If you saturate the color by 10%, you get **63.1119, 0.2924, 0.3404**, and if you desaturate by 10%, it is **69.6122, 0.3158, 0.3275**.

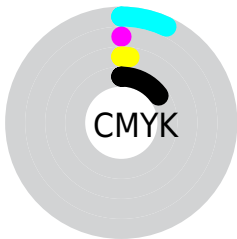
# Distribution



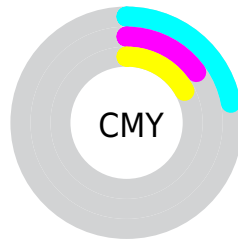
- Red (78%)
- Green (85%)
- Blue (83%)



- Red (78%)
- Yellow (82%)
- Blue (85%)



- Cyan (7%)
- Magenta (0%)
- Yellow (2%)
- Black (15%)



- Cyan (22%)
- Magenta (15%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.1446, 0.3039, 0.3336 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 66.1446, 0.3039, 0.3336 by changing the saturation by 10% instead.



■ 66.1446, 0.3039,  
0.3336

■ 66.1446, 0.3039,  
0.3336

446.8938, 0.3081,  
0.3314

■ 48.3898, 0.3029,  
0.3341

113.6938, 0.3054,  
0.3328

■ 34.1357, 0.3017,  
0.3347

144.2571, 0.3059,  
0.3326

■ 22.9978, 0.3002,  
0.3355

179.8586, 0.3064,  
0.3323

■ 14.5919, 0.2981,  
0.3366

220.8827, 0.3068,  
0.3321

■ 8.5335, 0.2953,  
0.3381

267.7139, 0.3072,  
0.3319

■ 4.4382, 0.2910,  
0.3403

320.7366, 0.3075,

■ 1.9216, 0.2841,

0.3317

0.3439

380.3351, 0.3078,  
0.3316

0.5613, 0.2481,  
0.3625

0.0000, 0.0000,  
0.0000

66.1446, 0.3039,  
0.3336

66.1446, 0.3039,  
0.3336

63.1119, 0.2924,  
0.3404

69.6122, 0.3158,  
0.3275

60.4882, 0.2816,  
0.3478

73.5229, 0.3279,  
0.3220

58.2573, 0.2718,  
0.3558

75.9906, 0.3328,  
0.3168

56.3990, 0.2634,  
0.3643

76.2963, 0.3290,  
0.3115

■ 54.8910, 0.2565,  
0.3732

■ 76.6115, 0.3253,  
0.3062

■ 53.7087, 0.2514,  
0.3824

■ 76.9363, 0.3216,  
0.3010

■ 52.8244, 0.2482,  
0.3918

■ 77.2707, 0.3179,  
0.2958

■ 52.2053, 0.2471,  
0.4012

■ 77.5963, 0.3145,  
0.2910

■ 51.8072, 0.2477,  
0.4105

# Harmonies

## Analogous

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



66.1446, 0.3110, 0.3393



66.1446, 0.3039, 0.3336



66.1446, 0.2992, 0.3267

# Triad

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



66.1446, 0.3039, 0.3336



66.1446, 0.3067, 0.3162



66.1446, 0.3276, 0.3373

# Complementary

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



66.1446, 0.3039, 0.3336



60.2634, 0.3223, 0.3244

# 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.



66.1446, 0.3265, 0.3311



66.1446, 0.3039, 0.3336



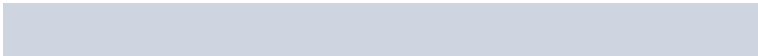
66.1446, 0.3143, 0.3190

# Square

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



66.1446, 0.3039, 0.3336



66.1446, 0.3008, 0.3167



66.1446, 0.3216, 0.3245



66.1446, 0.3247, 0.3414



# Rectangle

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



66.1446, 0.3039, 0.3336



66.1446, 0.2980, 0.3224



66.1446, 0.3216, 0.3245



66.1446, 0.3277, 0.3354

# Sweetspot

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



66.1474, 0.3039, 0.3336



98.9635, 0.3103, 0.3302



66.1602, 0.3150, 0.3475



21.1931, 0.3104, 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.



66.1474, 0.3039, 0.3336



95.5394, 0.3019, 0.3347



64.4587, 0.3013, 0.3247



14.0522, 0.3016, 0.3349



30.6290, 0.2476, 0.4114



1.8603, 0.2432, 0.3954



# Inverse Universe

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



60.2634, 0.3223, 0.3244



85.1626, 0.3247, 0.3234



61.8259, 0.3249, 0.3333



12.4713, 0.3252, 0.3232



8.8141, 0.5915, 0.3032

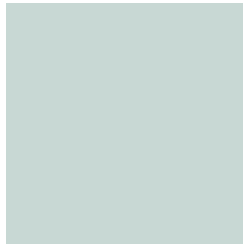


0.5450, 0.5416, 0.2757



# Previews

## White Background



This preview shows how the Yxy color 66.1446, 0.3039, 0.3336 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

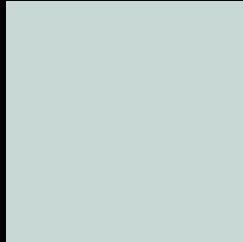
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.1446, 0.3039, 0.3336 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

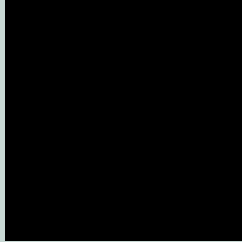
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

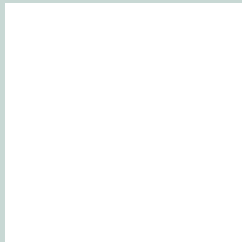
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.1446, 0.3039, 0.3336**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.1446, 0.3039, 0.3336.

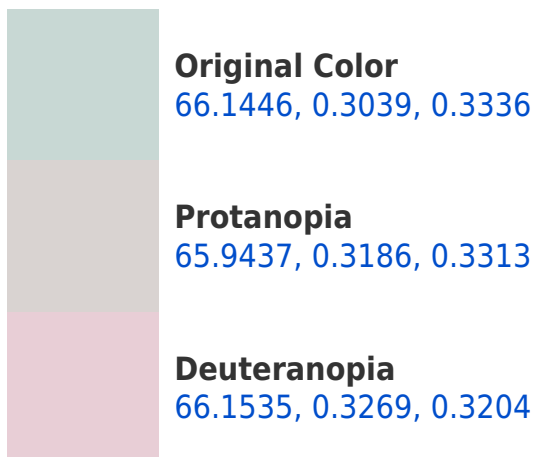


This preview shows how white text looks on a background with the Yxy color 66.1446, 0.3039, 0.3336.

# 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





## Tritanopia

65.9982, 0.2944, 0.3098

# Trichromacy



## Original Color

66.1446, 0.3039, 0.3336

## Protanomaly

66.0905, 0.3133, 0.3324

## Deuteranomaly

66.1129, 0.3181, 0.3257

## Tritanomaly

65.9774, 0.2982, 0.3187

# Monochromacy



## Original Color

66.1446, 0.3039, 0.3336

## Achromatopsia

65.1406, 0.3127, 0.3290

## Achromatomaly

65.5570, 0.3097, 0.3313

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.1446, 0.3039, 0.3336 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(200, 216, 212)` looks like.

```
.text, #text, p{  
    color:rgb(200, 216, 212)  
}
```

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(200, 216, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 216, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 66.1446, 0.3039, 0.3336 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(200, 216, 212) }
```

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

```
.border{ border-color:rgb(200, 216, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 216, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 216, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 216, 212);  
box-shadow:4px 4px 4px 4px rgb(200, 216,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.1446, 0.3039, 0.3336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 216, 212) }
```

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

```
.background{ background-color: rgb(200,  
216, 212) }
```

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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