

# Converting Colors

$Yxy(62.8894, 0.3069, 0.3344)$

Have a look what the booklet for  
Yxy(62.8894, 0.3069, 0.3344)  
contains.

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# Color

**Yxy(63.0505, 0.3066, 0.3349)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6D3CE
RGB	198, 211, 206
RGB Percent	78%, 83%, 81%
CMY	0.2235, 0.1725, 0.1923
CMYK	0.06, 0.00, 0.02, 0.17
HSL	157°, 13%, 80%
HSV	157°, 6%, 83%
XYZ	57.7226, 63.0505, 67.4936
YIQ	206.5430, -6.1430, -4.3110

# Conversions

## Conversions Part 2

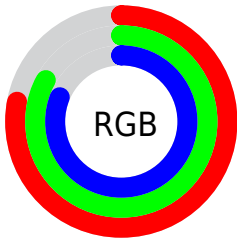
Format	Color
<b>RYB</b>	198, 206, 211
Decimal	13030350
CIELab	83.47, -5.32, 0.97
CIELCh	83, 5.412, 169.681
Yxy	63.0505, 0.3066, 0.3349
Android (android.graphics.Color)	4291220430 (0xFFC6D3CE)
YUV	206.5430, -0.2677, -7.4922
Hunter-Lab	79.4043, -9.1980, 5.1866

# Details

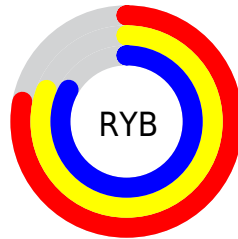
The Yxy color **63.0505, 0.3066, 0.3349** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **58.5604, 0.3193, 0.3232**, and the grayscale version is **62.0939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.3102, 0.3046, 0.3368** is the 20% darker color. If you saturate the color by 10%, you get **59.9944, 0.2969, 0.3454**, and if you desaturate by 10%, it is **66.5321, 0.3166, 0.3255**.

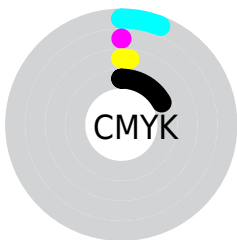
# Distribution



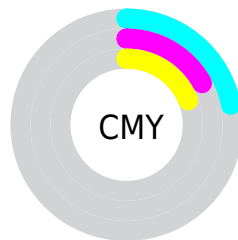
- Red (78%)
- Green (83%)
- Blue (81%)



- Red (78%)
- Yellow (81%)
- Blue (83%)



- Cyan (6%)
- Magenta (0%)
- Yellow (2%)
- Black (17%)



- Cyan (22%)
- Magenta (17%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.0505, 0.3066, 0.3349 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 63.0505, 0.3066, 0.3349 by changing the saturation by 10% instead.



■ 63.0505, 0.3066,  
0.3349

■ 63.0505, 0.3066,  
0.3349

435.7527, 0.3095,  
0.3321

■ 45.8821, 0.3059,  
0.3356

109.2424, 0.3076,  
0.3339

■ 32.1528, 0.3051,  
0.3364

139.0346, 0.3080,  
0.3335

■ 21.4782, 0.3039,  
0.3375

173.8035, 0.3084,  
0.3332

■ 13.4740, 0.3025,  
0.3389

213.9336, 0.3087,  
0.3329

■ 7.7558, 0.3004,  
0.3409

259.8091, 0.3089,  
0.3327

■ 3.9391, 0.2972,  
0.3440

311.8146, 0.3091,

■ 1.6395, 0.2919,

0.3325

0.3492

370.3343, 0.3093,  
0.3323

0.3840, 0.2424,  
0.3961

0.0000, 0.0000,  
0.0000

63.0505, 0.3066,  
0.3349

63.0505, 0.3066,  
0.3349

59.9944, 0.2969,  
0.3454

66.5321, 0.3166,  
0.3255

57.3392, 0.2877,  
0.3569


70.4471, 0.3266,  
0.3172

55.0696, 0.2793,  
0.3695


73.5948, 0.3318,  
0.3095


53.1664, 0.2719,  
0.3830


74.0677, 0.3259,  
0.3015


 51.6085, 0.2660,  
0.3973


 74.5626, 0.3202,  
0.2936

 50.3730, 0.2618,  
0.4122

 75.0708, 0.3147,  
0.2861

 49.4336, 0.2595,  
0.4274

 48.7601, 0.2593,  
0.4425

 48.3144, 0.2610,  
0.4573

# Harmonies

## Analogous

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



63.0505, 0.3133, 0.3394



63.0505, 0.3066, 0.3349



63.0505, 0.3015, 0.3289

# Triad

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



63.0505, 0.3066, 0.3349



63.0505, 0.3055, 0.3173



63.0505, 0.3262, 0.3349

# Complementary

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



63.0505, 0.3066, 0.3349



58.5604, 0.3193, 0.3232

# 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.



63.0505, 0.3240, 0.3290



63.0505, 0.3066, 0.3349



63.0505, 0.3120, 0.3190

# Square

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



63.0505, 0.3066, 0.3349



63.0505, 0.3009, 0.3187



63.0505, 0.3188, 0.3232



63.0505, 0.3247, 0.3393



# Rectangle

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



63.0505, 0.3066, 0.3349



63.0505, 0.2998, 0.3248



63.0505, 0.3188, 0.3232



63.0505, 0.3258, 0.3330

# Sweetspot

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



63.0532, 0.3066, 0.3349



98.9186, 0.3107, 0.3309



63.3951, 0.3159, 0.3442



21.1840, 0.3108, 0.3308



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.



63.0532, 0.3066, 0.3349



96.3318, 0.3057, 0.3358



62.6595, 0.3032, 0.3275



13.4541, 0.3053, 0.3363



29.0939, 0.2613, 0.4607



1.6421, 0.2538, 0.4337



# Inverse Universe

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



58.5604, 0.3193, 0.3232



88.4520, 0.3203, 0.3223



58.9200, 0.3229, 0.3305



12.2850, 0.3208, 0.3218



8.7438, 0.5408, 0.2753

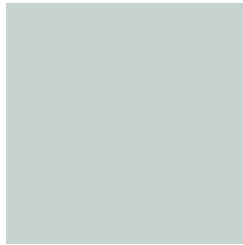


0.5043, 0.4915, 0.2481



# Previews

## White Background



This preview shows how the Yxy color 63.0505, 0.3066, 0.3349 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

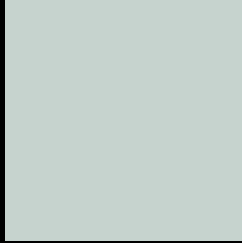
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.0505, 0.3066, 0.3349 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

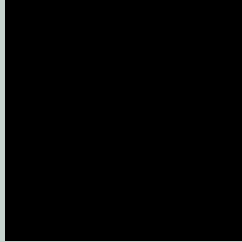
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

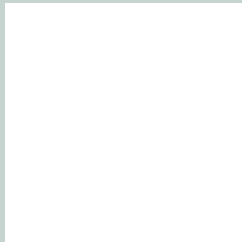
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.0505, 0.3066, 0.3349**

## Background



This preview shows how black text looks on a background with the Yxy color 63.0505, 0.3066, 0.3349.



This preview shows how white text looks on a background with the Yxy color 63.0505, 0.3066, 0.3349.

# 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

63.0505, 0.3066, 0.3349

### Protanopia

62.9823, 0.3186, 0.3325

### Deuteranopia

62.8213, 0.3287, 0.3213



## Tritanopia

62.9655, 0.2961, 0.3095

# Trichromacy



## Original Color

63.0505, 0.3066, 0.3349

## Protanomaly

62.7849, 0.3141, 0.3325

## Deuteranomaly

62.9194, 0.3205, 0.3268

## Tritanomaly

62.9422, 0.3000, 0.3186

# Monochromacy



## Original Color

63.0505, 0.3066, 0.3349

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

62.4541, 0.3104, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.0505, 0.3066, 0.3349 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(198, 211, 206)` looks like.

```
.text, #text, p{  
    color:rgb(198, 211, 206)  
}
```

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(198, 211, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 211, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 63.0505, 0.3066, 0.3349 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(198, 211, 206) }
```

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

```
.border{ border-color:rgb(198, 211, 206) }
```

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

Here you see how a box with a 4 pixel rgb(198, 211, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 211, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 211, 206);  
box-shadow:4px 4px 4px 4px rgb(198, 211,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.0505, 0.3066, 0.3349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 211, 206) }
```

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

```
.background{ background-color: rgb(198,  
211, 206) }
```

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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