

# Converting Colors

$Yxy(63.3555, 0.3034, 0.3327)$

Have a look what the booklet for  
Yxy(63.3555, 0.3034, 0.3327)  
contains.

<b>Yxy(63.4262, 0.3031, 0.3325)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(63.4262, 0.3031, 0.3325)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4D4D1
RGB	196, 212, 209
RGB Percent	77%, 83%, 82%
CMY	0.2313, 0.1686, 0.1804
CMYK	0.08, 0.00, 0.01, 0.17
HSL	169°, 16%, 80%
HSV	169°, 8%, 83%
XYZ	57.8180, 63.4262, 69.5113
YIQ	206.8740, -8.5730, -4.3250

# Conversions

## Conversions Part 2

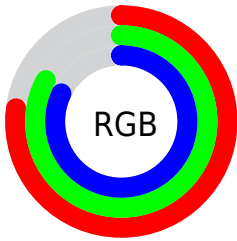
Format	Color
<b>RYB</b>	196, 205, 212
Decimal	12899537
CIELab	83.67, -5.94, -0.37
CIElCh	84, 5.953, 183.595
Yxy	63.4262, 0.3031, 0.3325
Android (android.graphics.Color)	4291089617 (0xFFC4D4D1)
YUV	206.8740, 1.0481, -9.5365
Hunter-Lab	79.6406, -9.7824, 3.9993

# Details

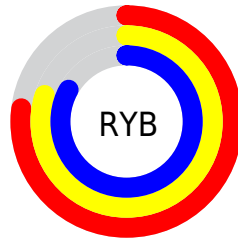
The Yxy color **63.4262, 0.3031, 0.3325** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.6067, 0.3233, 0.3255**, and the grayscale version is **62.3109, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **32.2313, 0.3001, 0.3321** is the 20% darker color. If you saturate the color by 10%, you get **60.5885, 0.2908, 0.3376**, and if you desaturate by 10%, it is **66.6759, 0.3159, 0.3279**.

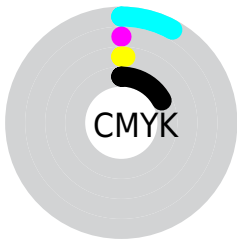
# Distribution



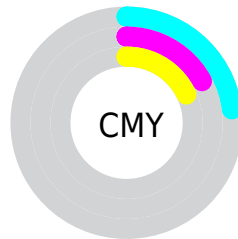
- Red (77%)
- Green (83%)
- Blue (82%)



- Red (77%)
- Yellow (80%)
- Blue (83%)



- Cyan (8%)
- Magenta (0%)
- Yellow (1%)
- Black (17%)



- Cyan (23%)
- Magenta (17%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.4262, 0.3031, 0.3325 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 63.4262, 0.3031, 0.3325 by changing the saturation by 10% instead.



■ 63.4262, 0.3031,  
0.3325

■ 63.4262, 0.3031,  
0.3325

437.1146, 0.3077,  
0.3309

■ 46.1861, 0.3020,  
0.3329

109.7842, 0.3047,  
0.3319

■ 32.3927, 0.3007,  
0.3334

139.6708, 0.3053,  
0.3317

■ 21.6616, 0.2990,  
0.3340

174.5417, 0.3059,  
0.3315

■ 13.6085, 0.2967,  
0.3348

214.7813, 0.3063,  
0.3313

■ 7.8489, 0.2935,  
0.3359

260.7740, 0.3067,  
0.3312

■ 3.9984, 0.2886,  
0.3377

312.9042, 0.3071,

■ 1.6727, 0.2806,

0.3311

371.5563, 0.3074,  
0.3310

0.3405

0.4059, 0.2160,  
0.3641

0.0000, 0.0000,  
0.0000

63.4262, 0.3031,  
0.3325

63.4262, 0.3031,  
0.3325

60.5885, 0.2908,  
0.3376

66.6759, 0.3159,  
0.3279

58.1380, 0.2793,  
0.3431


70.3454, 0.3289,  
0.3238

56.0594, 0.2689,  
0.3490


73.5671, 0.3386,  
0.3200

54.3334, 0.2599,  
0.3552


73.7823, 0.3357,  
0.3160


 52.9386, 0.2525,  
0.3618


 74.0026, 0.3328,  
0.3121

 51.8517, 0.2470,  
0.3685


 74.2281, 0.3300,  
0.3081

 51.0462, 0.2433,  
0.3754

 74.4586, 0.3271,  
0.3042

 50.4907, 0.2416,  
0.3822

 74.6944, 0.3243,  
0.3004

 50.1424, 0.2417,  
0.3890

 74.9354, 0.3216,  
0.2966

# Harmonies

## Analogous

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



63.4262, 0.3098, 0.3384



63.4262, 0.3031, 0.3325



63.4262, 0.2989, 0.3257

# Triad

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



63.4262, 0.3031, 0.3325



63.4262, 0.3079, 0.3166



63.4262, 0.3272, 0.3380

# Complementary

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



63.4262, 0.3031, 0.3325



57.6067, 0.3233, 0.3255

# 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.



63.4262, 0.3267, 0.3321



63.4262, 0.3031, 0.3325



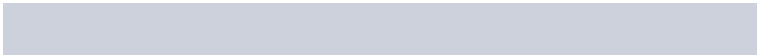
63.4262, 0.3155, 0.3199

# Square

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



63.4262, 0.3031, 0.3325



63.4262, 0.3017, 0.3166



63.4262, 0.3224, 0.3255



63.4262, 0.3238, 0.3416



# Rectangle

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



63.4262, 0.3031, 0.3325



63.4262, 0.2982, 0.3216



63.4262, 0.3224, 0.3255



63.4262, 0.3275, 0.3362

# Sweetspot

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



63.4289, 0.3031, 0.3325



98.9838, 0.3101, 0.3299



63.2453, 0.3142, 0.3479



21.1973, 0.3102, 0.3299



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.



63.4289, 0.3031, 0.3325



95.6291, 0.3012, 0.3333



61.2161, 0.3011, 0.3233



14.0659, 0.3007, 0.3334



30.9243, 0.2416, 0.3897



1.8758, 0.2383, 0.3779



# Inverse Universe

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



57.6067, 0.3233, 0.3255



85.0790, 0.3257, 0.3248



59.6676, 0.3250, 0.3346



12.4586, 0.3262, 0.3246



8.7462, 0.6093, 0.3130



0.5391, 0.5623, 0.2871



# Previews

## White Background



This preview shows how the Yxy color 63.4262, 0.3031, 0.3325 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

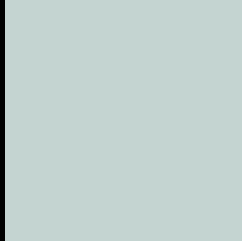
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.4262, 0.3031, 0.3325 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

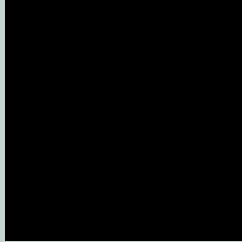
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

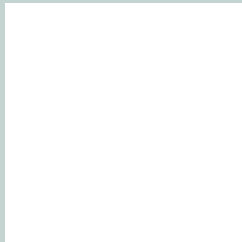
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.4262, 0.3031, 0.3325**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.4262, 0.3031, 0.3325.



This preview shows how white text looks on a background with the Yxy color 63.4262, 0.3031, 0.3325.

# 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

63.4262, 0.3031, 0.3325

### Protanopia

63.0789, 0.3172, 0.3302

### Deuteranopia

63.2751, 0.3256, 0.3191



## Tritanopia

63.2340, 0.2941, 0.3095

# Trichromacy



## Original Color

63.4262, 0.3031, 0.3325

## Protanomaly

63.2277, 0.3119, 0.3313

## Deuteranomaly

63.3947, 0.3175, 0.3245

## Tritanomaly

63.2663, 0.2973, 0.3174

# Monochromacy



## Original Color

63.4262, 0.3031, 0.3325

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

62.8515, 0.3089, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.4262, 0.3031, 0.3325 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(196, 212, 209)` looks like.

```
.text, #text, p{  
    color:rgb(196, 212, 209)  
}
```

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(196, 212, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 212, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 63.4262, 0.3031, 0.3325 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(196, 212, 209) }
```

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

```
.border{ border-color:rgb(196, 212, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 212, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 212, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 212, 209);  
box-shadow:4px 4px 4px 4px rgb(196, 212,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.4262, 0.3031, 0.3325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 212, 209) }
```

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

```
.background{ background-color: rgb(196,  
212, 209) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor