

# Converting Colors

Yxy(63.2194, 0.3053, 0.3361)

Have a look what the booklet for  
Yxy(63.2194, 0.3053, 0.3361)  
contains.

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# Color

**Yxy(63.2790, 0.3051, 0.3360)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4D4CE
RGB	196, 212, 206
RGB Percent	77%, 83%, 81%
CMY	0.2312, 0.1687, 0.1921
CMYK	0.08, 0.00, 0.03, 0.17
HSL	158°, 16%, 80%
HSV	158°, 8%, 83%
XYZ	57.4596, 63.2790, 67.5918
YIQ	206.5320, -7.6100, -5.2580

# Conversions

## Conversions Part 2

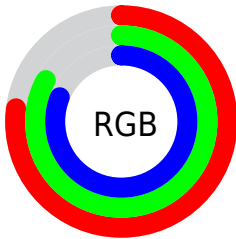
Format	Color
<b>RYB</b>	196, 206, 212
Decimal	12899534
CIELab	83.59, -6.49, 1.09
CIELCh	84, 6.577, 170.428
Yxy	63.2790, 0.3051, 0.3360
Android (android.graphics.Color)	4291089614 (0xFFC4D4CE)
YUV	206.5320, -0.2623, -9.2366
Hunter-Lab	79.5481, -10.2741, 5.3051

# Details

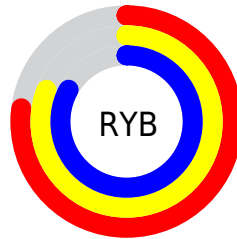
The Yxy color **63.2790, 0.3051, 0.3360** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.7610, 0.3210, 0.3221**, and the grayscale version is **62.0922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **32.1317, 0.3027, 0.3368** is the 20% darker color. If you saturate the color by 10%, you get **60.2600, 0.2953, 0.3462**, and if you desaturate by 10%, it is **66.7246, 0.3152, 0.3268**.

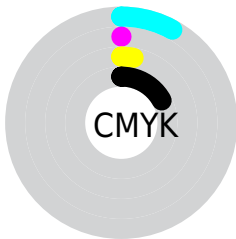
# Distribution



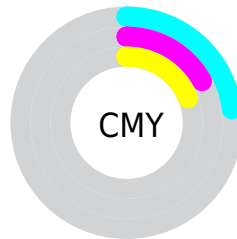
- Red (77%)
- Green (83%)
- Blue (81%)



- Red (77%)
- Yellow (81%)
- Blue (83%)



- Cyan (8%)
- Magenta (0%)
- Yellow (3%)
- Black (17%)



- Cyan (23%)
- Magenta (17%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.2790, 0.3051, 0.3360 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 63.2790, 0.3051, 0.3360 by changing the saturation by 10% instead.



■ 63.2790, 0.3051,  
0.3360

■ 63.2790, 0.3051,  
0.3360

436.5813, 0.3087,  
0.3327

■ 46.0670, 0.3042,  
0.3368

109.5719, 0.3064,  
0.3348

■ 32.2987, 0.3032,  
0.3378

139.4216, 0.3069,  
0.3344

■ 21.5897, 0.3018,  
0.3390

174.2526, 0.3073,  
0.3340

■ 13.5557, 0.3000,  
0.3408

214.4493, 0.3077,  
0.3337

■ 7.8123, 0.2974,  
0.3432

260.3961, 0.3080,  
0.3334

■ 3.9751, 0.2935,  
0.3468

312.4775, 0.3083,

■ 1.6596, 0.2869,

0.3331

371.0778, 0.3085,  
0.3329

0.3530

0.3973, 0.2255,  
0.4084

0.0000, 0.0000,  
0.0000

63.2790, 0.3051,  
0.3360

63.2790, 0.3051,  
0.3360

60.2600, 0.2953,  
0.3462

66.7246, 0.3152,  
0.3268

57.6424, 0.2860,  
0.3575

70.6046, 0.3255,  
0.3186

55.4107, 0.2775,  
0.3697

74.0459, 0.3322,  
0.3112

53.5453, 0.2702,  
0.3828


74.5015, 0.3265,  
0.3034


 52.0247, 0.2644,  
0.3966


 74.9776, 0.3210,  
0.2958


 50.8252, 0.2603,  
0.4110

 75.4745, 0.3156,  
0.2883

 49.9200, 0.2582,  
0.4256

 75.5625, 0.3147,  
0.2871

 49.2776, 0.2581,  
0.4401

 48.8548, 0.2599,  
0.4543

# Harmonies

## Analogous

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



63.2790, 0.3132, 0.3415



63.2790, 0.3051, 0.3360



63.2790, 0.2991, 0.3286

# Triad

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



63.2790, 0.3051, 0.3360



63.2790, 0.3041, 0.3148



63.2790, 0.3291, 0.3363

# Complementary

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



63.2790, 0.3051, 0.3360



57.7610, 0.3210, 0.3221

# 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.



63.2790, 0.3266, 0.3292



63.2790, 0.3051, 0.3360



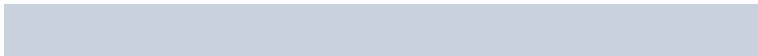
63.2790, 0.3121, 0.3170

# Square

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



63.2790, 0.3051, 0.3360



63.2790, 0.2985, 0.3164



63.2790, 0.3203, 0.3222



63.2790, 0.3271, 0.3416



# Rectangle

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



63.2790, 0.3051, 0.3360



63.2790, 0.2970, 0.3237



63.2790, 0.3203, 0.3222



63.2790, 0.3287, 0.3340

# Sweetspot

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



63.2817, 0.3051, 0.3360



98.9232, 0.3107, 0.3308



63.6487, 0.3164, 0.3477



21.1849, 0.3108, 0.3307



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.



63.2817, 0.3051, 0.3360



95.3632, 0.3035, 0.3375



62.6526, 0.3012, 0.3268



14.0254, 0.3032, 0.3379



30.1287, 0.2599, 0.4558



1.8330, 0.2531, 0.4312



# Inverse Universe

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



57.7610, 0.3210, 0.3221



85.3307, 0.3229, 0.3206



58.3284, 0.3253, 0.3312



12.4969, 0.3233, 0.3203



9.0106, 0.5468, 0.2786

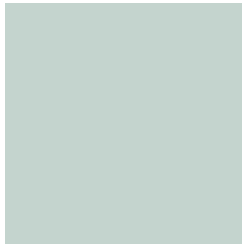


0.5593, 0.4996, 0.2526



# Previews

## White Background



This preview shows how the Yxy color 63.2790, 0.3051, 0.3360 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

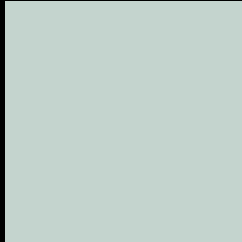
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.2790, 0.3051, 0.3360 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

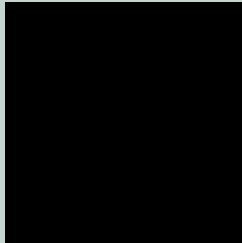
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

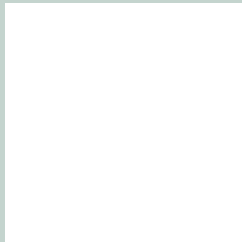
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.2790, 0.3051, 0.3360**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.2790, 0.3051, 0.3360.

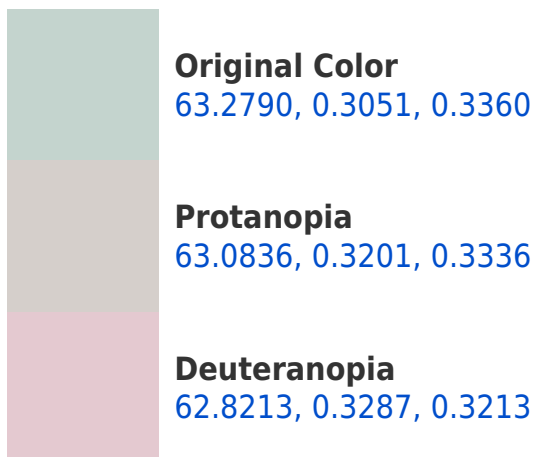


This preview shows how white text looks on a background with the Yxy color 63.2790, 0.3051, 0.3360.

# 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

63.2340, 0.2941, 0.3095

# Trichromacy



## Original Color

63.2790, 0.3051, 0.3360

## Protanomaly

63.2260, 0.3147, 0.3348

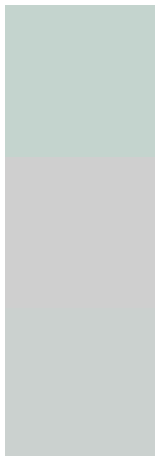
## Deuteranomaly

62.7666, 0.3197, 0.3268

## Tritanomaly

63.2134, 0.2979, 0.3186

# Monochromacy



## Original Color

63.2790, 0.3051, 0.3360

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

62.8024, 0.3096, 0.3313

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.2790, 0.3051, 0.3360 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, 206)` looks like.

```
.text, #text, p{  
    color:rgb(196, 212, 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(196, 212, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 212, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 63.2790, 0.3051, 0.3360 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, 206) }
```

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

```
.border{ border-color:rgb(196, 212, 206) }
```

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, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 212, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 212, 206);  
box-shadow:4px 4px 4px 4px rgb(196, 212,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.2790, 0.3051, 0.3360 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, 206) }
```

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

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