

# Converting Colors

Yxy(64.0180, 0.3027, 0.3362)

Have a look what the booklet for  
Yxy(64.0180, 0.3027, 0.3362)  
contains.

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# Color

**Yxy(64.1165, 0.3023, 0.3360)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2D6D0
RGB	194, 214, 208
RGB Percent	76%, 84%, 82%
CMY	0.2391, 0.1608, 0.1842
CMYK	0.09, 0.00, 0.03, 0.16
HSL	162°, 20%, 80%
HSV	162°, 9%, 84%
XYZ	57.6858, 64.1165, 69.0206
YIQ	207.3360, -9.9940, -6.1060

# Conversions

## Conversions Part 2

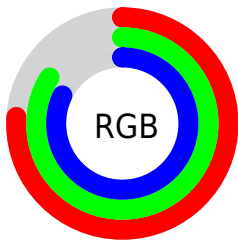
Format	Color
<a href="#">RYB</a>	<a href="#">194, 206, 214</a>
Decimal	<a href="#">12768976</a>
CIELab	<a href="#">84.03, -7.82, 0.65</a>
CIELCh	<a href="#">84, 7.845, 175.217</a>
Yxy	<a href="#">64.1165, 0.3023, 0.3360</a>
Android (android.graphics.Color)	<a href="#">4290959056 (0xFFC2D6D0)</a>
YUV	<a href="#">207.3360, 0.3274, -11.6957</a>
Hunter-Lab	<a href="#">80.0728, -11.5330, 4.9445</a>

# Details

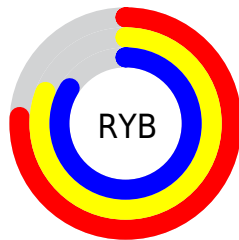
The Yxy color **64.1165, 0.3023, 0.3360** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.0603, 0.3243, 0.3221**, and the grayscale version is **62.6318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2492, 0.3102, 0.3290**, and **32.7048, 0.2991, 0.3368** is the 20% darker color. If you saturate the color by 10%, you get **61.1791, 0.2916, 0.3443**, and if you desaturate by 10%, it is **67.4798, 0.3135, 0.3285**.

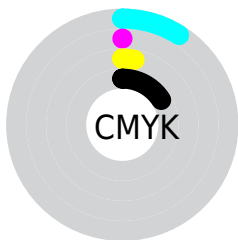
# Distribution



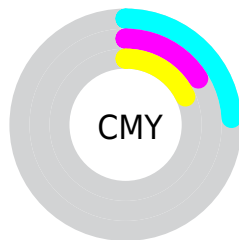
- Red (76%)
- Green (84%)
- Blue (82%)



- Red (76%)
- Yellow (81%)
- Blue (84%)



- Cyan (9%)
- Magenta (0%)
- Yellow (3%)
- Black (16%)




- Cyan (24%)
- Magenta (16%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.1165, 0.3023, 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 64.1165, 0.3023, 0.3360 by changing the saturation by 10% instead.




 64.1165, 0.3023,  
0.3360

 64.1165, 0.3023,  
0.3360

439.6102, 0.3072,  
0.3327

 46.7450, 0.3011,  
0.3368


 110.7787, 0.3040,  
0.3348

 32.8341, 0.2997,  
0.3378


140.8382, 0.3047,  
0.3344

 21.9994, 0.2978,  
0.3390


175.8959, 0.3053,  
0.3340

 13.8565, 0.2953,  
0.3407

216.3361, 0.3058,  
0.3337

 8.0209, 0.2919,  
0.3430

262.5432, 0.3062,  
0.3334

 4.1083, 0.2866,  
0.3466

314.9017, 0.3066,

 1.7343, 0.2780,

0.3331

373.7959, 0.3069,  
0.3329

0.3525

0.4457, 0.2082,  
0.3986

0.0000, 0.0000,  
0.0000

64.1165, 0.3023,  
0.3360

64.1165, 0.3023,  
0.3360

61.1791, 0.2916,  
0.3443

67.4798, 0.3135,  
0.3285

58.6420, 0.2815,  
0.3533


71.2773, 0.3248,  
0.3218


56.4892, 0.2725,  
0.3631


74.9108, 0.3338,  
0.3158


54.7003, 0.2647,  
0.3735


75.2717, 0.3292,  
0.3095

 53.2533, 0.2585,  
0.3844

 75.6459, 0.3248,  
0.3032

 52.1235, 0.2542,  
0.3957


 76.0335, 0.3204,  
0.2971

 51.2829, 0.2518,  
0.4071

 76.4347, 0.3160,  
0.2910

 50.6983, 0.2515,  
0.4185

 76.5717, 0.3146,  
0.2891

 50.3147, 0.2528,  
0.4298

# Harmonies

## Analogous

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



64.1165, 0.3117, 0.3431



64.1165, 0.3023, 0.3360



64.1165, 0.2957, 0.3270

# Triad

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



64.1165, 0.3023, 0.3360



64.1165, 0.3038, 0.3123



64.1165, 0.3321, 0.3388

# Complementary

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



64.1165, 0.3023, 0.3360



57.0603, 0.3243, 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.



64.1165, 0.3300, 0.3306



64.1165, 0.3023, 0.3360



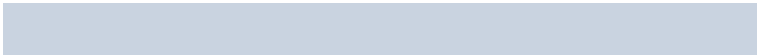
64.1165, 0.3135, 0.3155

# Square

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



64.1165, 0.3023, 0.3360



64.1165, 0.2966, 0.3135



64.1165, 0.3231, 0.3221



64.1165, 0.3290, 0.3446



# Rectangle

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



64.1165, 0.3023, 0.3360



64.1165, 0.2938, 0.3213



64.1165, 0.3231, 0.3221



64.1165, 0.3320, 0.3362

# Sweetspot

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



64.1192, 0.3023, 0.3360



98.4312, 0.3093, 0.3312



64.2694, 0.3160, 0.3525



20.9807, 0.3084, 0.3318



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.



64.1192, 0.3023, 0.3360



94.5337, 0.3004, 0.3374



62.4219, 0.2984, 0.3243



14.0416, 0.3022, 0.3361



30.4181, 0.2525, 0.4289



1.8490, 0.2471, 0.4094



# Inverse Universe

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



57.0603, 0.3243, 0.3221



82.1890, 0.3268, 0.3207



58.5886, 0.3285, 0.3337



12.4814, 0.3245, 0.3220



8.8814, 0.5751, 0.2942



0.5502, 0.5253, 0.2667



# Previews

## White Background



This preview shows how the Yxy color 64.1165, 0.3023, 0.3360 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

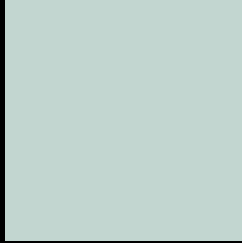
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.1165, 0.3023, 0.3360 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

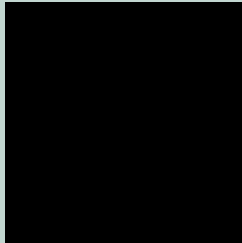
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

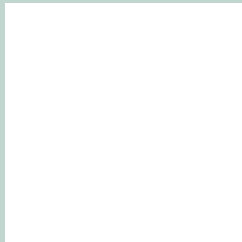
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.1165, 0.3023, 0.3360**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.1165, 0.3023, 0.3360.



This preview shows how white text looks on a background with the Yxy color 64.1165, 0.3023, 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



### Original Color

64.1165, 0.3023, 0.3360

### Protanopia

63.8157, 0.3194, 0.3324

### Deuteranopia

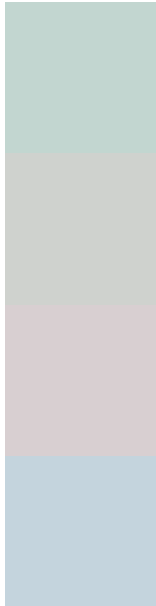
64.0230, 0.3278, 0.3214



## Tritanopia

64.0603, 0.2915, 0.3095

# Trichromacy



## Original Color

64.1165, 0.3023, 0.3360

## Protanomaly

63.8148, 0.3132, 0.3336

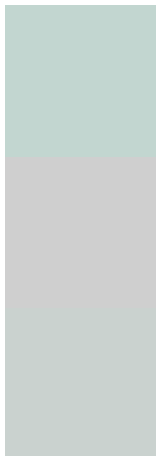
## Deuteranomaly

63.8280, 0.3181, 0.3268

## Tritanomaly

64.0432, 0.2953, 0.3186

# Monochromacy



## Original Color

64.1165, 0.3023, 0.3360

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

63.1547, 0.3088, 0.3325

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.1165, 0.3023, 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(194, 214, 208)` looks like.

```
.text, #text, p{  
    color:rgb(194, 214, 208)  
}
```

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(194, 214, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 214, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 64.1165, 0.3023, 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(194, 214, 208) }
```

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

```
.border{ border-color:rgb(194, 214, 208) }
```

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

Here you see how a box with a 4 pixel rgb(194, 214, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 214, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 214, 208);  
box-shadow:4px 4px 4px 4px rgb(194, 214,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.1165, 0.3023, 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(194, 214, 208) }
```

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

```
.background{ background-color: rgb(194,  
214, 208) }
```

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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