

# Converting Colors

Yxy(64.0439, 0.3036, 0.3385)

Have a look what the booklet for  
Yxy(64.0439, 0.3036, 0.3385)  
contains.

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# Color

**Yxy(64.0187, 0.3036, 0.3384)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C2D6CE
RGB	194, 214, 206
RGB Percent	76%, 84%, 81%
CMY	0.2392, 0.1608, 0.1921
CMYK	0.09, 0.00, 0.04, 0.16
HSL	156°, 20%, 80%
HSV	156°, 9%, 84%
XYZ	57.4352, 64.0187, 67.7266
YIQ	207.1080, -9.3520, -6.7280

# Conversions

## Conversions Part 2

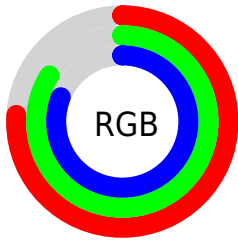
Format	Color
<a href="#">RYB</a>	<a href="#">194, 207, 214</a>
Decimal	<a href="#">12768974</a>
CIELab	<a href="#">83.98, -8.21, 1.65</a>
CIELCh	<a href="#">84, 8.375, 168.660</a>
Yxy	<a href="#">64.0187, 0.3036, 0.3384</a>
Android (android.graphics.Color)	<a href="#">4290959054 (0xFFC2D6CE)</a>
YUV	<a href="#">207.1080, -0.5462, -11.4957</a>
Hunter-Lab	<a href="#">80.0117, -11.8868, 5.8216</a>

# Details

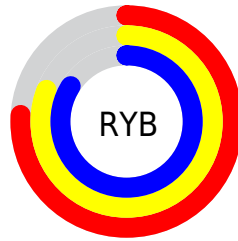
The Yxy color **64.0187, 0.3036, 0.3384** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.1435, 0.3228, 0.3198**, and the grayscale version is **62.4796, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2492, 0.3102, 0.3290**, and **32.6387, 0.3008, 0.3400** is the 20% darker color. If you saturate the color by 10%, you get **60.9862, 0.2942, 0.3495**, and if you desaturate by 10%, it is **67.4870, 0.3134, 0.3284**.

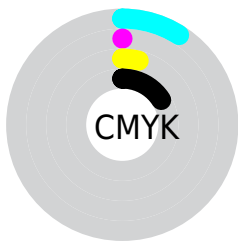
# Distribution



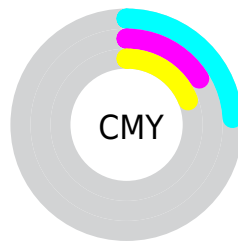
- Red (76%)
- Green (84%)
- Blue (81%)



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



- Cyan (9%)
- Magenta (0%)
- Yellow (4%)
- Black (16%)



- Cyan (24%)
- Magenta (16%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.0187, 0.3036, 0.3384 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 64.0187, 0.3036, 0.3384 by changing the saturation by 10% instead.



■ 64.0187, 0.3036,  
0.3384

■ 64.0187, 0.3036,  
0.3384

439.2572, 0.3079,  
0.3339

■ 46.6658, 0.3026,  
0.3395

■ 110.6379, 0.3051,  
0.3368

■ 32.7716, 0.3013,  
0.3408

140.6729, 0.3057,  
0.3362

■ 21.9515, 0.2997,  
0.3425

175.7042, 0.3062,  
0.3357

■ 13.8213, 0.2975,  
0.3448

216.1161, 0.3067,  
0.3352

■ 7.9965, 0.2944,  
0.3480

262.2929, 0.3070,  
0.3349

■ 4.0927, 0.2897,  
0.3529

314.6191, 0.3074,

■ 1.7255, 0.2819,

0.3345

0.3612

373.4790, 0.3077,  
0.3342

0.4401, 0.2132,  
0.4306

0.0000, 0.0000,  
0.0000

64.0187, 0.3036,  
0.3384

64.0187, 0.3036,  
0.3384

60.9862, 0.2942,  
0.3495

67.4870, 0.3134,  
0.3284

58.3637, 0.2853,  
0.3618

71.3996, 0.3232,  
0.3195


56.1350, 0.2773,  
0.3751


75.1631, 0.3306,  
0.3114


54.2794, 0.2705,  
0.3894


75.6602, 0.3246,  
0.3031

 52.7747, 0.2652,  
0.4044

 76.1813, 0.3188,  
0.2949

 51.5960, 0.2617,  
0.4199

 76.5757, 0.3146,  
0.2891

 50.7150, 0.2601,  
0.4355

 50.0983, 0.2607,  
0.4510

 49.6904, 0.2629,  
0.4661

# Harmonies

## Analogous

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



64.0187, 0.3140, 0.3452



64.0187, 0.3036, 0.3384



64.0187, 0.2958, 0.3290

# Triad

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



64.0187, 0.3036, 0.3384



64.0187, 0.3012, 0.3111



64.0187, 0.3335, 0.3377

# Complementary

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



64.0187, 0.3036, 0.3384



57.1435, 0.3228, 0.3198

# 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.



64.0187, 0.3299, 0.3286



64.0187, 0.3036, 0.3384



64.0187, 0.3112, 0.3135

# Square

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



64.0187, 0.3036, 0.3384



64.0187, 0.2944, 0.3133



64.0187, 0.3217, 0.3199



64.0187, 0.3313, 0.3446



# Rectangle

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



64.0187, 0.3036, 0.3384



64.0187, 0.2930, 0.3227



64.0187, 0.3217, 0.3199



64.0187, 0.3329, 0.3348

# Sweetspot

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



64.0214, 0.3036, 0.3384



98.3825, 0.3097, 0.3319



64.5473, 0.3175, 0.3525



20.9676, 0.3090, 0.3327



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.



64.0214, 0.3036, 0.3384



94.3616, 0.3019, 0.3403



63.4135, 0.2984, 0.3266



14.0199, 0.3035, 0.3385



30.0397, 0.2625, 0.4648



1.8280, 0.2552, 0.4387



# Inverse Universe

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



57.1435, 0.3228, 0.3198



82.3533, 0.3249, 0.3180



57.6710, 0.3287, 0.3314



12.5022, 0.3229, 0.3197



9.0619, 0.5366, 0.2729



0.5627, 0.4908, 0.2478



# Previews

## White Background



This preview shows how the Yxy color 64.0187, 0.3036, 0.3384 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

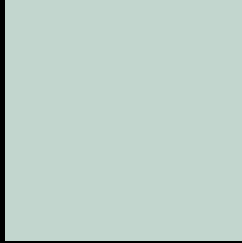
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.0187, 0.3036, 0.3384 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

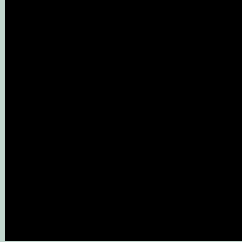
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

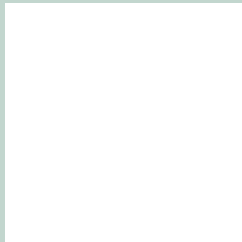
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.0187, 0.3036, 0.3384**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.0187, 0.3036, 0.3384.

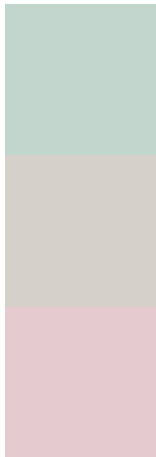


This preview shows how white text looks on a background with the Yxy color 64.0187, 0.3036, 0.3384.

# 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

64.0187, 0.3036, 0.3384

### Protanopia

63.7197, 0.3208, 0.3347

### Deuteranopia

63.4531, 0.3294, 0.3225



## Tritanopia

64.1403, 0.2928, 0.3107

# Trichromacy



## Original Color

64.0187, 0.3036, 0.3384

## Protanomaly

63.7182, 0.3146, 0.3359

## Deuteranomaly

63.2465, 0.3196, 0.3279

## Tritanomaly

64.0718, 0.2972, 0.3209

# Monochromacy



## Original Color

64.0187, 0.3036, 0.3384

## 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 64.0187, 0.3036, 0.3384 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, 206)` looks like.

```
.text, #text, p{  
    color:rgb(194, 214, 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(194, 214, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 214, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 64.0187, 0.3036, 0.3384 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, 206) }
```

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

```
.border{ border-color:rgb(194, 214, 206) }
```

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, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 214, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 214, 206);  
box-shadow:4px 4px 4px 4px rgb(194, 214,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.0187, 0.3036, 0.3384 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, 206) }
```

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

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