

# Converting Colors

$Yxy(63.8421, 0.2893, 0.3201)$

Have a look what the booklet for  
Yxy(63.8421, 0.2893, 0.3201)  
contains.

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# Color

**Yxy(64.0050, 0.2898, 0.3207)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCD6DD
RGB	188, 214, 221
RGB Percent	74%, 84%, 87%
CMY	0.2628, 0.1608, 0.1332
CMYK	0.15, 0.03, 0.00, 0.13
HSL	193°, 33%, 80%
HSV	193°, 15%, 87%
XYZ	57.8380, 64.0050, 77.7360
YIQ	207.0240, -17.7430, -3.3350

# Conversions

## Conversions Part 2

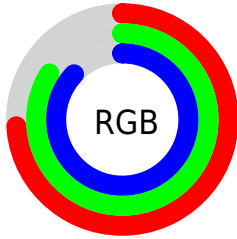
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	188, 203, 221
Decimal	12375773
CIE Lab	83.97, -7.20, -6.39
CIE LCh	84, 9.625, 221.621
Yxy	64.0050, 0.2898, 0.3207
Android (android.graphics.Color)	4290565853 (0xFFBCD6DD)
YUV	207.0240, 6.8902, -16.6840
Hunter-Lab	80.0031, -10.9595, -1.6077

# Details

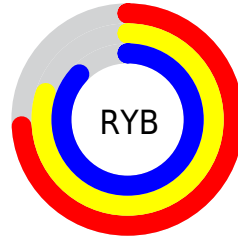
The Yxy color `64.0050, 0.2898, 0.3207` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `58.0473, 0.3393, 0.3372`, and the grayscale version is `62.3779, 0.3127, 0.3290`.

A 20% lighter version of the original color is `97.9731, 0.3060, 0.3290`, and `32.6178, 0.2838, 0.3180` is the 20% darker color. If you saturate the color by 10%, you get `59.0660, 0.2749, 0.3145`, and if you desaturate by 10%, it is `69.4479, 0.3051, 0.3264`.

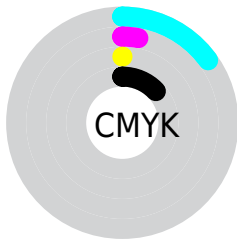
# Distribution



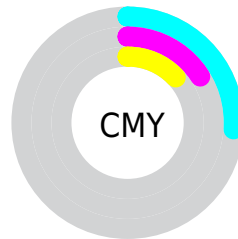
- Red (74%)
- Green (84%)
- Blue (87%)



- Red (74%)
- Yellow (80%)
- Blue (87%)



- Cyan (15%)
- Magenta (3%)
- Yellow (0%)
- Black (13%)




- Cyan (26%)
- Magenta (16%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.0050, 0.2898, 0.3207 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 64.0050, 0.2898, 0.3207 by changing the saturation by 10% instead.




 64.0050, 0.2898,  
0.3207

 64.0050, 0.2898,  
0.3207


439.2077, 0.3006,  
0.3247

 46.6547, 0.2873,  
0.3197


 110.6181, 0.2936,  
0.3221

 32.7628, 0.2842,  
0.3185


140.6498, 0.2950,  
0.3227

 21.9448, 0.2802,  
0.3169


175.6774, 0.2963,  
0.3231

 13.8163, 0.2749,  
0.3148

216.0852, 0.2974,  
0.3236

 7.9930, 0.2676,  
0.3117

262.2578, 0.2983,  
0.3239

 4.0905, 0.2568,  
0.3070

314.5795, 0.2992,

 1.7243, 0.2392,

0.3242

0.2989

373.4346, 0.2999,  
0.3245

0.4393, 0.1506,  
0.2735

0.0000, 0.0000,  
0.0000

64.0050, 0.2898,  
0.3207

64.0050, 0.2898,  
0.3207

59.0660, 0.2749,  
0.3145

69.4479, 0.3051,  
0.3264

54.6030, 0.2608,  
0.3078

75.4056, 0.3205,  
0.3315

50.5969, 0.2476,  
0.3007

81.8986, 0.3358,  
0.3361

47.0244, 0.2359,  
0.2932

84.6557, 0.3357,  
0.3408

■ 43.8595, 0.2257,  
0.2855

■ 87.3512, 0.3350,  
0.3454

■ 41.0734, 0.2175,  
0.2777

■ 90.1182, 0.3344,  
0.3499

■ 38.6323, 0.2112,  
0.2699

■ 92.9572, 0.3338,  
0.3545

■ 36.4953, 0.2068,  
0.2621

■ 95.8688, 0.3332,  
0.3589

■ 35.4973, 0.2051,  
0.2582

■ 98.0023, 0.3327,  
0.3621

# Harmonies

## Analogous

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



64.0050, 0.2950, 0.3316



64.0050, 0.2898, 0.3207



64.0050, 0.2906, 0.3123

# Triad

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



64.0050, 0.2898, 0.3207



64.0050, 0.3204, 0.3165



64.0050, 0.3282, 0.3500

# Complementary

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



64.0050, 0.2898, 0.3207



58.0473, 0.3393, 0.3372

# 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.



64.0050, 0.3352, 0.3454



64.0050, 0.2898, 0.3207



64.0050, 0.3307, 0.3261

# Square

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



64.0050, 0.2898, 0.3207



64.0050, 0.3081, 0.3101



64.0050, 0.3362, 0.3366



64.0050, 0.3170, 0.3488



# Rectangle

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



64.0050, 0.2898, 0.3207



64.0050, 0.2945, 0.3092



64.0050, 0.3362, 0.3366



64.0050, 0.3311, 0.3490

# Sweetspot

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



64.0077, 0.2898, 0.3207



96.7397, 0.3065, 0.3269



66.3435, 0.3066, 0.3606



20.5778, 0.3053, 0.3265



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

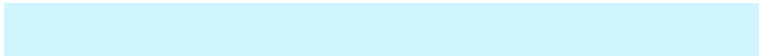


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.0077, 0.2898, 0.3207



86.2366, 0.2850, 0.3188



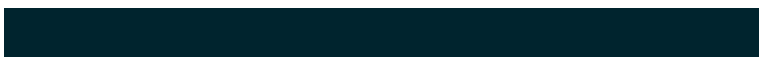
56.2562, 0.2891, 0.3014



14.3347, 0.2982, 0.3239



20.7842, 0.2054, 0.2594



1.4664, 0.2089, 0.2720



# Inverse Universe

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



56.1948, 0.3198, 0.2998



73.5169, 0.3215, 0.2933



65.6570, 0.3366, 0.3552



13.2249, 0.3170, 0.3108



10.7219, 0.3830, 0.1883

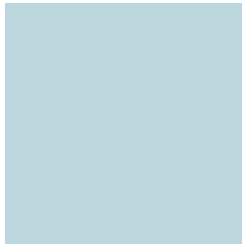


0.7067, 0.3709, 0.1817



# Previews

## White Background



This preview shows how the Yxy color 64.0050, 0.2898, 0.3207 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

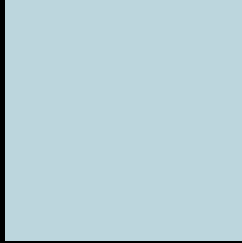
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.0050, 0.2898, 0.3207 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

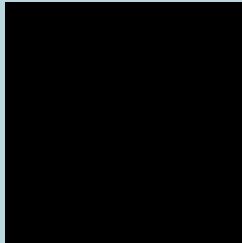
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

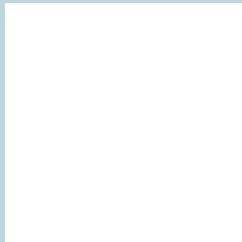
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.0050, 0.2898, 0.3207**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.0050, 0.2898, 0.3207.



This preview shows how white text looks on a background with the Yxy color 64.0050, 0.2898, 0.3207.

# 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

64.0050, 0.2898, 0.3207

### Protanopia

63.8231, 0.3080, 0.3188

### Deuteranopia

63.7276, 0.3137, 0.3071



## Tritanopia

64.2488, 0.2856, 0.3093

# Trichromacy



## Original Color

64.0050, 0.2898, 0.3207

## Protanomaly

63.7117, 0.3015, 0.3198

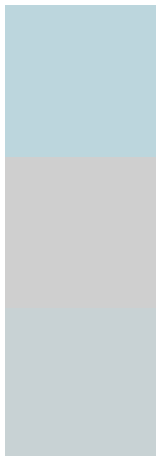
## Deuteranomaly

63.6012, 0.3046, 0.3121

## Tritanomaly

63.9534, 0.2867, 0.3127

# Monochromacy



## Original Color

64.0050, 0.2898, 0.3207

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

63.1260, 0.3040, 0.3267

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.0050, 0.2898, 0.3207 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(188, 214, 221)` looks like.

```
.text, #text, p{  
    color:rgb(188, 214, 221)  
}
```

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(188, 214, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 214, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 64.0050, 0.2898, 0.3207 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(188, 214, 221) }
```

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

```
.border{ border-color:rgb(188, 214, 221) }
```

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

Here you see how a box with a 4 pixel rgb(188, 214, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 214, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 214, 221);  
box-shadow:4px 4px 4px 4px rgb(188, 214,  
221) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.0050, 0.2898, 0.3207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 214, 221) }
```

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

```
.background{ background-color: rgb(188,  
214, 221) }
```

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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