

# Converting Colors

$Yxy(65.4662, 0.2908, 0.3245)$

Have a look what the booklet for  
Yxy(65.4662, 0.2908, 0.3245)  
contains.

<b>Yxy(65.6650, 0.2906, 0.3243)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(65.6650, 0.2906, 0.3243)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDD9DD
RGB	189, 217, 221
RGB Percent	74%, 85%, 87%
CMY	0.2590, 0.1490, 0.1334
CMYK	0.14, 0.02, 0.00, 0.13
HSL	187°, 32%, 80%
HSV	187°, 14%, 87%
XYZ	58.8413, 65.6650, 77.9759
YIQ	209.0840, -17.9720, -4.6920

# Conversions

## Conversions Part 2

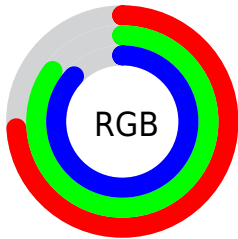
<b>Format</b>	<b>Color</b>
<b>RYB</b>	189, 204, 221
Decimal	12442077
CIELab	84.83, -8.45, -5.10
CIElCh	85, 9.871, 211.101
Yxy	65.6650, 0.2906, 0.3243
Android (android.graphics.Color)	4290632157 (0xFFBDD9DD)
YUV	209.0840, 5.8746, -17.6137
Hunter-Lab	81.0339, -12.1948, -0.3288

# Details

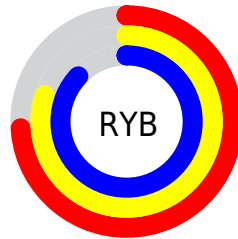
The Yxy color **65.6650, 0.2906, 0.3243** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.1555, 0.3389, 0.3337**, and the grayscale version is **63.7846, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **33.7447, 0.2850, 0.3227** is the 20% darker color. If you saturate the color by 10%, you get **61.6509, 0.2761, 0.3207**, and if you desaturate by 10%, it is **70.1386, 0.3058, 0.3276**.

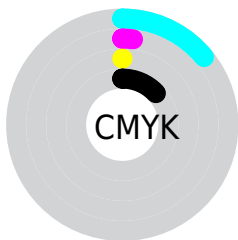
# Distribution



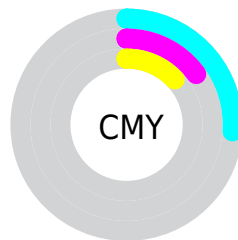
- Red (74%)
- Green (85%)
- Blue (87%)



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



- Cyan (14%)
- Magenta (2%)
- Yellow (0%)
- Black (13%)




- Cyan (26%)
- Magenta (15%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.6650, 0.2906, 0.3243 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 65.6650, 0.2906, 0.3243 by changing the saturation by 10% instead.



 65.6650, 0.2906,  
0.3243

 65.6650, 0.2906,  
0.3243


445.1779, 0.3010,  
0.3266

 48.0005, 0.2882,  
0.3237


 113.0054, 0.2942,  
0.3251

 33.8273, 0.2852,  
0.3230


143.4501, 0.2956,  
0.3254

 22.7609, 0.2814,  
0.3221


178.9236, 0.2968,  
0.3257

 14.4171, 0.2764,  
0.3208

219.8104, 0.2979,  
0.3259

 8.4113, 0.2694,  
0.3190

266.4948, 0.2988,  
0.3261

 4.3593, 0.2592,  
0.3162

319.3613, 0.2996,

 1.8765, 0.2428,

0.3263

0.3112

378.7941, 0.3003,  
0.3265

0.5342, 0.1699,  
0.3012

0.0000, 0.0000,  
0.0000

65.6650, 0.2906,  
0.3243

65.6650, 0.2906,  
0.3243

61.6509, 0.2761,  
0.3207

70.1386, 0.3058,  
0.3276

58.0687, 0.2625,  
0.3169

75.0819, 0.3213,  
0.3306

54.9000, 0.2502,  
0.3128

80.4664, 0.3367,  
0.3333

52.1220, 0.2395,  
0.3086

81.9647, 0.3363,  
0.3361

■ 49.7095, 0.2305,  
0.3043

■ 83.4869, 0.3360,  
0.3388

■ 47.6340, 0.2234,  
0.2999

■ 85.0332, 0.3356,  
0.3415

■ 45.8628, 0.2182,  
0.2955

■ 86.6037, 0.3352,  
0.3442

■ 44.3557, 0.2149,  
0.2912

■ 88.1986, 0.3349,  
0.3468

■ 43.6027, 0.2136,  
0.2888

■ 89.8178, 0.3345,  
0.3495

# Harmonies

## Analogous

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



65.6650, 0.2978, 0.3356



65.6650, 0.2906, 0.3243



65.6650, 0.2893, 0.3146

# Triad

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



65.6650, 0.2906, 0.3243



65.6650, 0.3162, 0.3136



65.6650, 0.3316, 0.3493

# Complementary

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



65.6650, 0.2906, 0.3243



57.1555, 0.3389, 0.3337

# 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.



65.6650, 0.3367, 0.3429



65.6650, 0.2906, 0.3243



65.6650, 0.3278, 0.3224

# Square

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



65.6650, 0.2906, 0.3243



65.6650, 0.3038, 0.3087



65.6650, 0.3354, 0.3330



65.6650, 0.3213, 0.3503



# Rectangle

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



65.6650, 0.2906, 0.3243



65.6650, 0.2918, 0.3103



65.6650, 0.3354, 0.3330



65.6650, 0.3340, 0.3477

# Sweetspot

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



65.6677, 0.2906, 0.3243



97.3109, 0.3065, 0.3278



66.3606, 0.3085, 0.3628



20.7228, 0.3053, 0.3275



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

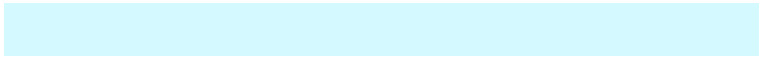


# Same Dimension

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



65.6677, 0.2906, 0.3243



89.2978, 0.2867, 0.3234



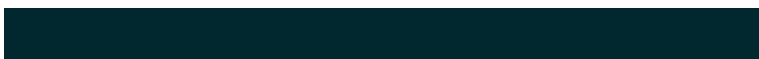
57.9181, 0.2900, 0.3055



14.5391, 0.2982, 0.3260



25.4448, 0.2138, 0.2895



1.7275, 0.2157, 0.2965



# Inverse Universe

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



56.7588, 0.3174, 0.2976



75.0502, 0.3183, 0.2918



64.5045, 0.3363, 0.3514



13.2456, 0.3157, 0.3088



11.1924, 0.3548, 0.1728



0.7331, 0.3485, 0.1693



# Previews

## White Background



This preview shows how the Yxy color 65.6650, 0.2906, 0.3243 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

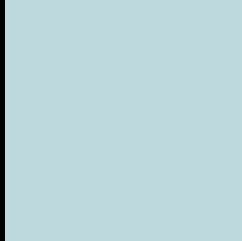
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.6650, 0.2906, 0.3243 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

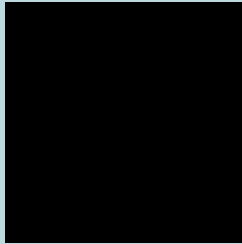
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

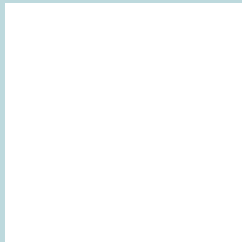
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.6650, 0.2906, 0.3243**

## Background



This preview shows how black text looks on a background with the Yxy color 65.6650, 0.2906, 0.3243.

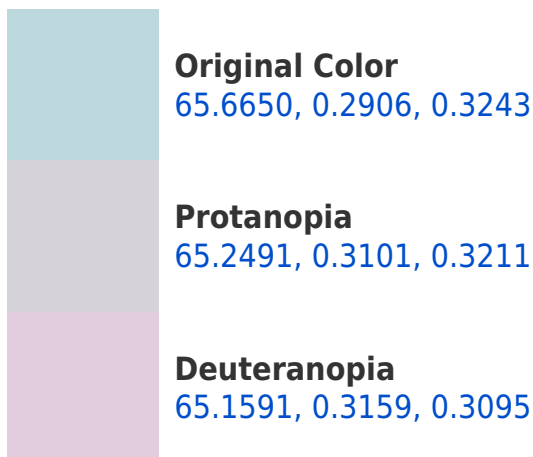


This preview shows how white text looks on a background with the Yxy color 65.6650, 0.2906, 0.3243.

# 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

65.5034, 0.2851, 0.3095

# Trichromacy



## Original Color

65.6650, 0.2906, 0.3243

## Protanomaly

65.4878, 0.3029, 0.3233

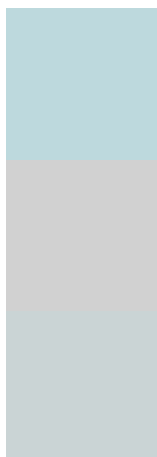
## Deuteranomaly

65.0210, 0.3068, 0.3145

## Tritanomaly

65.6603, 0.2870, 0.3151

# Monochromacy



## Original Color

65.6650, 0.2906, 0.3243

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

64.4476, 0.3047, 0.3278

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.6650, 0.2906, 0.3243 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(189, 217, 221)` looks like.

```
.text, #text, p{  
    color:rgb(189, 217, 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(189, 217, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 217, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 65.6650, 0.2906, 0.3243 is called "border". The border property can be set on classes, ids or directly on the HTML element.

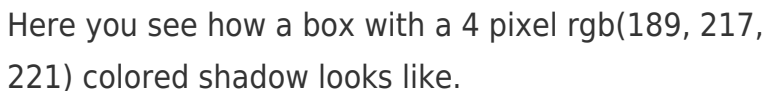
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 217, 221) }
```

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

```
.border{ border-color:rgb(189, 217, 221) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 217, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 217, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 217, 221); box-shadow:4px 4px 4px 4px rgb(189, 217, 221) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.6650, 0.2906, 0.3243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 217, 221) }
```

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

```
.background{ background-color: rgb(189,  
217, 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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