

# Converting Colors

$Yxy(63.9694, 0.2829, 0.3237)$

Have a look what the booklet for  
Yxy(63.9694, 0.2829, 0.3237)  
contains.

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# Color

**Yxy(64.1933, 0.2828, 0.3242)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1D9DD
RGB	177, 217, 221
RGB Percent	69%, 85%, 87%
CMY	0.3058, 0.1490, 0.1335
CMYK	0.20, 0.02, 0.00, 0.13
HSL	185°, 39%, 78%
HSV	185°, 20%, 87%
XYZ	55.9959, 64.1933, 77.8161
YIQ	205.4960, -25.1240, -7.2360

# Conversions

## Conversions Part 2

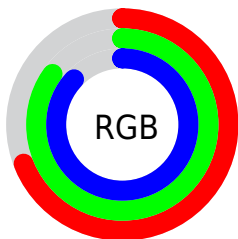
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	177, 198, 221
Decimal	11655645
CIE <sub>Lab</sub>	84.07, -12.16, -6.29
CIE <sub>LCh</sub>	84, 13.692, 207.325
Yxy	64.1933, 0.2828, 0.3242
Android (android.graphics.Color)	4289845725 (0xFFB1D9DD)
YUV	205.4960, 7.6435, -24.9910
Hunter-Lab	80.1207, -15.4587, -1.5000

# Details

The Yxy color **64.1933, 0.2828, 0.3242** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.5843, 0.3511, 0.3338**, and the grayscale version is **61.3485, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **32.8789, 0.2758, 0.3225** is the 20% darker color. If you saturate the color by 10%, you get **60.7874, 0.2690, 0.3215**, and if you desaturate by 10%, it is **68.0369, 0.2975, 0.3267**.

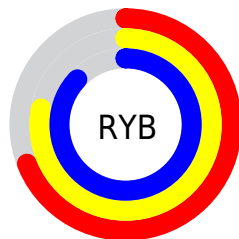
# Distribution



Red (69%)

Green (85%)

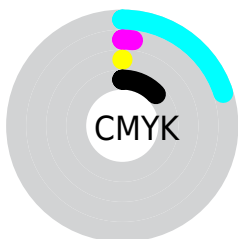
Blue (87%)



Red (69%)

Yellow (78%)

Blue (87%)

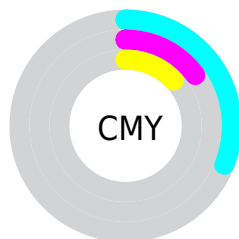


Cyan (20%)

Magenta (2%)

Yellow (0%)

Black (13%)



Cyan (31%)

Magenta (15%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.1933, 0.2828, 0.3242 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 64.1933, 0.2828, 0.3242 by changing the saturation by 10% instead.




 64.1933, 0.2828,  
0.3242

 64.1933, 0.2828,  
0.3242


439.8873, 0.2968,  
0.3266

 46.8073, 0.2795,  
0.3236

 110.8893, 0.2877,  
0.3251

 32.8833, 0.2755,  
0.3228


140.9680, 0.2896,  
0.3254

 22.0371, 0.2703,  
0.3218


176.0464, 0.2912,  
0.3257

 13.8841, 0.2635,  
0.3203

216.5088, 0.2927,  
0.3259

 8.0401, 0.2541,  
0.3182

262.7398, 0.2939,  
0.3262

 4.1206, 0.2403,  
0.3147

315.1236, 0.2950,

 1.7413, 0.2181,

0.3263

0.3085

374.0446, 0.2960,  
0.3265

0.4502, 0.0867,  
0.2980

0.0000, 0.0000,  
0.0000

64.1933, 0.2828,  
0.3242

64.1933, 0.2828,  
0.3242

60.7874, 0.2690,  
0.3215

68.0369, 0.2975,  
0.3267

57.7912, 0.2563,  
0.3186

72.3293, 0.3129,  
0.3290

55.1854, 0.2452,  
0.3157

77.0907, 0.3286,  
0.3311

52.9459, 0.2358,  
0.3126

80.3088, 0.3368,  
0.3331

■ 51.0461, 0.2283,  
0.3095

■ 81.3909, 0.3365,  
0.3351

■ 49.4556, 0.2227,  
0.3064

■ 82.4857, 0.3362,  
0.3370

■ 48.1381, 0.2190,  
0.3033

■ 83.5931, 0.3360,  
0.3390

■ 47.0307, 0.2168,  
0.3002

■ 84.7131, 0.3357,  
0.3410

■ 47.0179, 0.2167,  
0.3002

■ 85.8459, 0.3354,  
0.3429

# Harmonies

## Analogous

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



64.1933, 0.2935, 0.3402



64.1933, 0.2828, 0.3242



64.1933, 0.2799, 0.3101

# Triad

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



64.1933, 0.2828, 0.3242



64.1933, 0.3152, 0.3064



64.1933, 0.3404, 0.3566

# Complementary

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



64.1933, 0.2828, 0.3242



51.5843, 0.3511, 0.3338

# 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.



64.1933, 0.3467, 0.3466



64.1933, 0.2828, 0.3242



64.1933, 0.3319, 0.3180

# Square

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



64.1933, 0.2828, 0.3242



64.1933, 0.2982, 0.3004



64.1933, 0.3436, 0.3325



64.1933, 0.3267, 0.3592



# Rectangle

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



64.1933, 0.2828, 0.3242



64.1933, 0.2827, 0.3037



64.1933, 0.3436, 0.3325



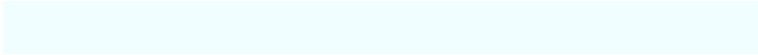
64.1933, 0.3435, 0.3539

# Sweetspot

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



64.1959, 0.2828, 0.3242



96.3367, 0.3034, 0.3276



64.3656, 0.3078, 0.3789



20.5377, 0.3024, 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.



64.1959, 0.2828, 0.3242



86.7160, 0.2767, 0.3231



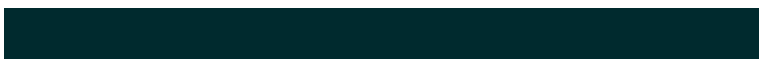
53.7495, 0.2811, 0.2976



14.6185, 0.2982, 0.3268



27.4118, 0.2169, 0.3007



1.8358, 0.2182, 0.3056



# Inverse Universe

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



51.8324, 0.3182, 0.2840



66.6246, 0.3195, 0.2741



61.0908, 0.3464, 0.3585



13.2536, 0.3151, 0.3080



11.3910, 0.3448, 0.1673



0.7440, 0.3405, 0.1649



# Previews

## White Background



This preview shows how the Yxy color 64.1933, 0.2828, 0.3242 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

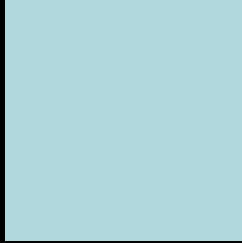
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.1933, 0.2828, 0.3242 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

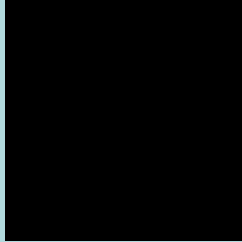
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

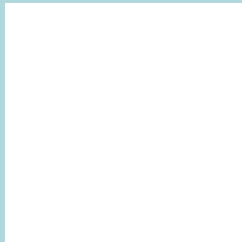
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.1933, 0.2828, 0.3242**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.1933, 0.2828, 0.3242.

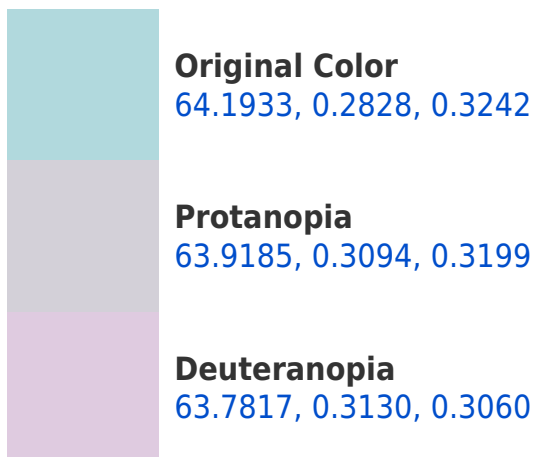


This preview shows how white text looks on a background with the Yxy color 64.1933, 0.2828, 0.3242.

# 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

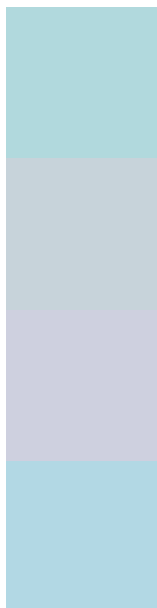




## Tritanopia

64.0108, 0.2774, 0.3090

# Trichromacy



## Original Color

64.1933, 0.2828, 0.3242

## Protanomaly

63.7926, 0.2993, 0.3209

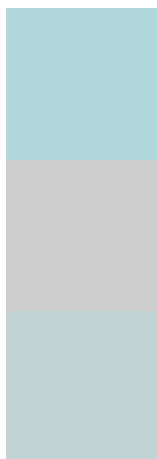
## Deuteranomaly

63.5613, 0.3010, 0.3120

## Tritanomaly

64.1781, 0.2792, 0.3148

# Monochromacy



## Original Color

64.1933, 0.2828, 0.3242

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

62.3984, 0.3011, 0.3278

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  64.1933, 0.2828, 0.3242 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(177, 217, 221)` looks like.

```
.text, #text, p{  
    color:rgb(177, 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(177, 217, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 217, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 64.1933, 0.2828, 0.3242 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(177, 217, 221) }
```

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

```
.border{ border-color:rgb(177, 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(177, 217, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 217, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 217, 221);  
box-shadow:4px 4px 4px 4px rgb(177, 217,  
221) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.1933, 0.2828, 0.3242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 217, 221) }
```

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

```
.background{ background-color: rgb(177,  
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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