

# Converting Colors

Yxy(63.2415, 0.2817, 0.3133)

Have a look what the booklet for  
Yxy(63.2415, 0.2817, 0.3133)  
contains.

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# Color

**Yxy(63.4629, 0.2815, 0.3136)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5D6E3
RGB	181, 214, 227
RGB Percent	71%, 84%, 89%
CMY	0.2903, 0.1608, 0.1097
CMYK	0.20, 0.06, 0.00, 0.11
HSL	197°, 45%, 80%
HSV	197°, 20%, 89%
XYZ	56.9669, 63.4629, 81.9392
YIQ	205.6150, -23.8410, -2.9530

# Conversions

## Conversions Part 2

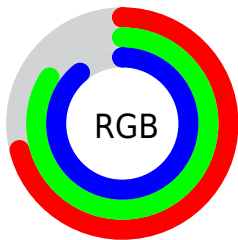
<b>Format</b>	<b>Color</b>
<b>RYB</b>	181, 200, 227
Decimal	11917027
CIELab	83.69, -8.11, -10.05
CIElCh	84, 12.913, 231.076
Yxy	63.4629, 0.2815, 0.3136
Android (android.graphics.Color)	4290107107 (0xFFB5D6E3)
YUV	205.6150, 10.5428, -21.5874
Hunter-Lab	79.6636, -11.7673, -5.2191

# Details

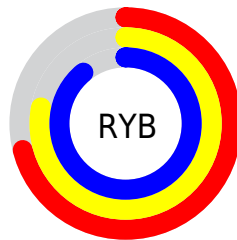
The Yxy color **63.4629, 0.2815, 0.3136** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.2552, 0.3502, 0.3439**, and the grayscale version is **61.4055, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **32.2869, 0.2733, 0.3086** is the 20% darker color. If you saturate the color by 10%, you get **57.7554, 0.2665, 0.3049**, and if you desaturate by 10%, it is **69.7508, 0.2969, 0.3216**.

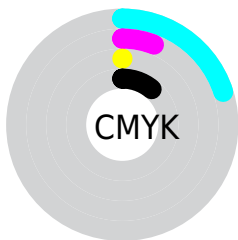
# Distribution



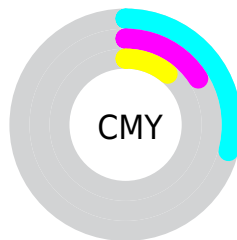
- Red (71%)
- Green (84%)
- Blue (89%)



- Red (71%)
- Yellow (78%)
- Blue (89%)



- Cyan (20%)
- Magenta (6%)
- Yellow (0%)
- Black (11%)



- Cyan (29%)
- Magenta (16%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.4629, 0.2815, 0.3136 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 63.4629, 0.2815, 0.3136 by changing the saturation by 10% instead.



■ 63.4629, 0.2815,  
0.3136

■ 63.4629, 0.2815,  
0.3136

437.2475, 0.2962,  
0.3211

■ 46.2158, 0.2781,  
0.3118

■ 109.8371, 0.2866,  
0.3163

■ 32.4161, 0.2739,  
0.3096

139.7329, 0.2886,  
0.3173

■ 21.6796, 0.2685,  
0.3067

174.6138, 0.2903,  
0.3181

■ 13.6216, 0.2614,  
0.3027

214.8641, 0.2918,  
0.3189

■ 7.8580, 0.2516,  
0.2972

260.8682, 0.2931,  
0.3195

■ 4.0042, 0.2372,  
0.2887

313.0106, 0.2942,

■ 1.6759, 0.2142,

0.3201

0.2744

371.6755, 0.2952,  
0.3206

0.4080, 0.1080,  
0.2323

0.0000, 0.0000,  
0.0000

63.4629, 0.2815,  
0.3136

63.4629, 0.2815,  
0.3136

57.7554, 0.2665,  
0.3049

69.7508, 0.2969,  
0.3216

52.5975, 0.2522,  
0.2956

76.6330, 0.3123,  
0.3288

47.9668, 0.2389,  
0.2856

84.1324, 0.3275,  
0.3353

43.8361, 0.2270,  
0.2753

88.9431, 0.3309,  
0.3415

■ 40.1754, 0.2169,  
0.2646

■ 92.7836, 0.3301,  
0.3477

■ 36.9502, 0.2086,  
0.2539

■ 96.7591, 0.3294,  
0.3538

■ 34.1199, 0.2024,  
0.2432

■ 98.3276, 0.3291,  
0.3562

■ 31.6813, 0.1980,  
0.2329

# Harmonies

## Analogous

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



63.4629, 0.2859, 0.3276



63.4629, 0.2815, 0.3136



63.4629, 0.2851, 0.3042

# Triad

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



63.4629, 0.2815, 0.3136



63.4629, 0.3279, 0.3160



63.4629, 0.3291, 0.3577

# Complementary

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



63.4629, 0.2815, 0.3136



58.2552, 0.3502, 0.3439

# 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.



63.4629, 0.3408, 0.3536



63.4629, 0.2815, 0.3136



63.4629, 0.3402, 0.3294

# Square

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



63.4629, 0.2815, 0.3136



63.4629, 0.3116, 0.3059



63.4629, 0.3450, 0.3432



63.4629, 0.3132, 0.3537



# Rectangle

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



63.4629, 0.2815, 0.3136



63.4629, 0.2917, 0.3017



63.4629, 0.3450, 0.3432



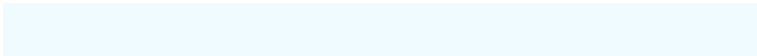
63.4629, 0.3337, 0.3572

# Sweetspot

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



63.4655, 0.2815, 0.3136



94.4833, 0.3034, 0.3247



68.6366, 0.3025, 0.3696



20.0985, 0.3024, 0.3243



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

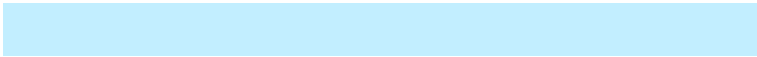


# Same Dimension

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



63.4655, 0.2815, 0.3136



79.6339, 0.2756, 0.3103



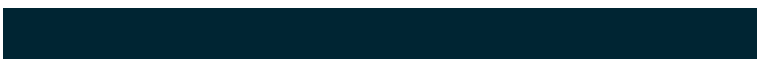
52.9476, 0.2797, 0.2864



15.6113, 0.2981, 0.3222



18.6791, 0.1985, 0.2345



1.5361, 0.2028, 0.2500



# Inverse Universe

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



54.2307, 0.3253, 0.2924



65.9097, 0.3282, 0.2851



68.9279, 0.3454, 0.3682



14.5421, 0.3181, 0.3123



11.0834, 0.4079, 0.2021

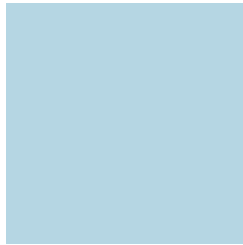


0.8347, 0.3923, 0.1935



# Previews

## White Background



This preview shows how the Yxy color 63.4629, 0.2815, 0.3136 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

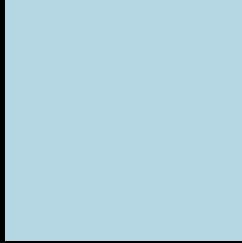
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.4629, 0.2815, 0.3136 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

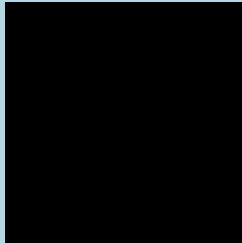
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

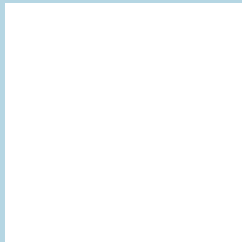
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.4629, 0.2815, 0.3136**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.4629, 0.2815, 0.3136.

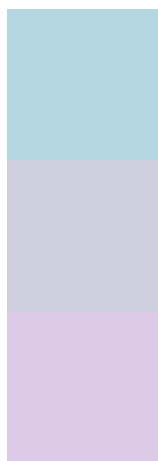


This preview shows how white text looks on a background with the Yxy color 63.4629, 0.2815, 0.3136.

# 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

63.4629, 0.2815, 0.3136

### Protanopia

63.3633, 0.3025, 0.3109

### Deuteranopia

62.9583, 0.3066, 0.2993



## Tritanopia

63.2468, 0.2803, 0.3090

# Trichromacy



## Original Color

63.4629, 0.2815, 0.3136

## Protanomaly

63.4808, 0.2947, 0.3129

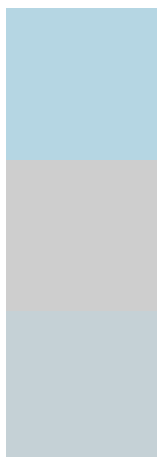
## Deuteranomaly

62.7232, 0.2970, 0.3041

## Tritanomaly

63.1907, 0.2809, 0.3102

# Monochromacy



## Original Color

63.4629, 0.2815, 0.3136

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

62.3263, 0.3005, 0.3231

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.4629, 0.2815, 0.3136 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(181, 214, 227)` looks like.

```
.text, #text, p{  
    color:rgb(181, 214, 227)  
}
```

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(181, 214, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 214, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 63.4629, 0.2815, 0.3136 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(181, 214, 227) }
```

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

```
.border{ border-color:rgb(181, 214, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 214, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 214, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 214, 227);  
box-shadow:4px 4px 4px 4px rgb(181, 214,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.4629, 0.2815, 0.3136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 214, 227) }
```

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

```
.background{ background-color: rgb(181,  
214, 227) }
```

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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