

# Converting Colors

$Yxy(61.6030, 0.2855, 0.3134)$

Have a look what the booklet for  
Yxy(61.6030, 0.2855, 0.3134)  
contains.

<b>Yxy(61.6112, 0.2857, 0.3136)</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(61.6112, 0.2857, 0.3136)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8D2DF
RGB	184, 210, 223
RGB Percent	72%, 82%, 87%
CMY	0.2784, 0.1764, 0.1256
CMYK	0.17, 0.06, 0.00, 0.13
HSL	200°, 38%, 80%
HSV	200°, 17%, 87%
XYZ	56.1298, 61.6112, 78.7232
YIQ	203.7080, -19.6690, -1.4690

# Conversions

## Conversions Part 2

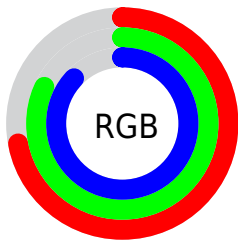
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 200, 223
Decimal	12112607
CIELab	82.71, -5.97, -9.32
CIELCh	83, 11.069, 237.375
Yxy	61.6112, 0.2857, 0.3136
Android (android.graphics.Color)	4290302687 (0xFFB8D2DF)
YUV	203.7080, 9.5110, -17.2839
Hunter-Lab	78.4928, -9.7179, -4.5191

# Details

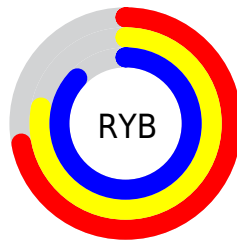
The Yxy color **61.6112, 0.2857, 0.3136** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **59.0610, 0.3437, 0.3439**, and the grayscale version is **60.1385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2653, 0.3035, 0.3290**, and **31.3499, 0.2785, 0.3100** is the 20% darker color. If you saturate the color by 10%, you get **55.4954, 0.2703, 0.3036**, and if you desaturate by 10%, it is **68.3358, 0.3012, 0.3228**.

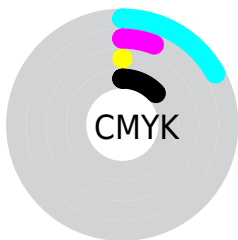
# Distribution



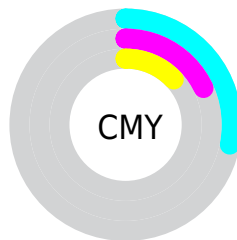
- Red (72%)
- Green (82%)
- Blue (87%)



- Red (72%)
- Yellow (78%)
- Blue (87%)



- Cyan (17%)
- Magenta (6%)
- Yellow (0%)
- Black (13%)



- Cyan (28%)
- Magenta (18%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.6112, 0.2857, 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 61.6112, 0.2857, 0.3136 by changing the saturation by 10% instead.



■ 61.6112, 0.2857,  
0.3136

■ 61.6112, 0.2857,  
0.3136

430.5115, 0.2985,  
0.3210

■ 44.7186, 0.2827,  
0.3118

■ 107.1634, 0.2902,  
0.3162

■ 31.2358, 0.2790,  
0.3096

136.5918, 0.2919,  
0.3173

■ 20.7785, 0.2742,  
0.3067

170.9676, 0.2934,  
0.3181

■ 12.9622, 0.2679,  
0.3028

210.6752, 0.2947,  
0.3189

■ 7.4025, 0.2591,  
0.2972

256.0990, 0.2958,  
0.3195

■ 3.7151, 0.2460,  
0.2887

307.6234, 0.2968,

■ 1.5155, 0.2247,

0.3201

0.2742

365.6327, 0.2977,  
0.3206

0.2996, 0.0982,  
0.2115

0.0000, 0.0000,  
0.0000

61.6112, 0.2857,  
0.3136

61.6112, 0.2857,  
0.3136

55.4954, 0.2703,  
0.3036

68.3358, 0.3012,  
0.3228

49.9582, 0.2554,  
0.2927

75.6828, 0.3166,  
0.3310

44.9781, 0.2412,  
0.2811

83.6748, 0.3316,  
0.3384

40.5286, 0.2283,  
0.2689

88.7156, 0.3335,  
0.3456

■ 36.5810, 0.2168,  
0.2562

■ 93.1646, 0.3326,  
0.3527

■ 33.1025, 0.2073,  
0.2434

■ 97.7940, 0.3316,  
0.3597

■ 30.0555, 0.1998,  
0.2306

■ 98.1061, 0.3316,  
0.3602

■ 27.3896, 0.1943,  
0.2181

■ 26.7571, 0.1931,  
0.2150

# Harmonies

## Analogous

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



61.6112, 0.2881, 0.3251



61.6112, 0.2857, 0.3136



61.6112, 0.2903, 0.3065

# Triad

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



61.6112, 0.2857, 0.3136



61.6112, 0.3285, 0.3200



61.6112, 0.3242, 0.3537

# Complementary

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



61.6112, 0.2857, 0.3136



59.0610, 0.3437, 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.



61.6112, 0.3354, 0.3516



61.6112, 0.2857, 0.3136



61.6112, 0.3380, 0.3320

# Square

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



61.6112, 0.2857, 0.3136



61.6112, 0.3148, 0.3104



61.6112, 0.3405, 0.3436



61.6112, 0.3101, 0.3487



# Rectangle

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



61.6112, 0.2857, 0.3136



61.6112, 0.2968, 0.3051



61.6112, 0.3405, 0.3436



61.6112, 0.3284, 0.3537

# Sweetspot

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



61.6137, 0.2857, 0.3136



94.9852, 0.3050, 0.3248



66.9510, 0.3027, 0.3609



20.1836, 0.3039, 0.3242



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

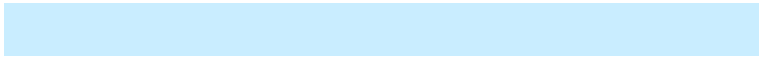


# Same Dimension

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



61.6137, 0.2857, 0.3136



80.3764, 0.2800, 0.3100



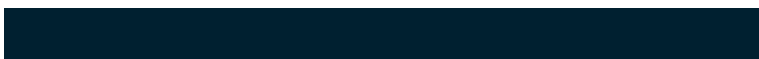
52.8429, 0.2846, 0.2906



14.7639, 0.2982, 0.3210



15.9532, 0.1936, 0.2168



1.2682, 0.1989, 0.2361



# Inverse Universe

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



54.6192, 0.3249, 0.2997



69.3687, 0.3279, 0.2933



68.1665, 0.3402, 0.3647



13.8541, 0.3188, 0.3135



10.5185, 0.4266, 0.2124

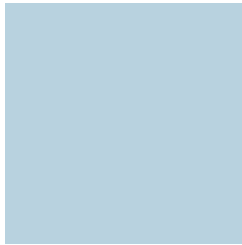


0.7455, 0.4063, 0.2012



# Previews

## White Background



This preview shows how the Yxy color 61.6112, 0.2857, 0.3136 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

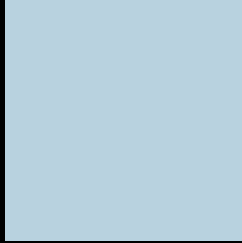
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.6112, 0.2857, 0.3136 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

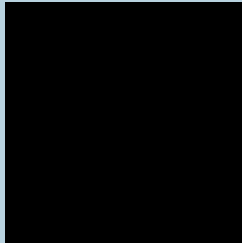
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

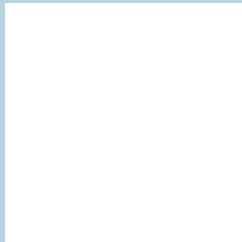
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.6112, 0.2857, 0.3136**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.6112, 0.2857, 0.3136.

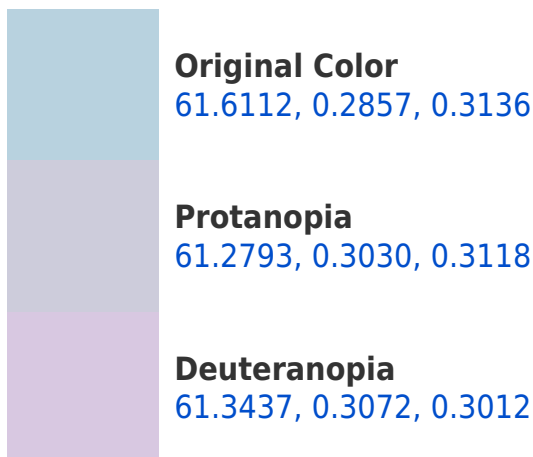


This preview shows how white text looks on a background with the Yxy color 61.6112, 0.2857, 0.3136.

# 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

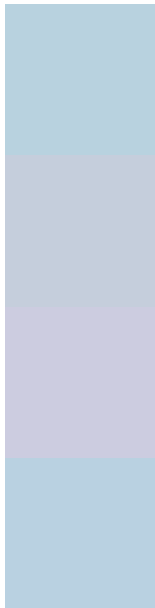




## Tritanopia

61.4062, 0.2844, 0.3089

# Trichromacy



## Original Color

61.6112, 0.2857, 0.3136

## Protanomaly

61.1802, 0.2965, 0.3127

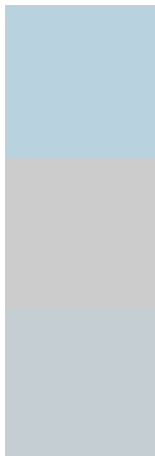
## Deuteranomaly

61.4049, 0.2989, 0.3062

## Tritanomaly

61.3515, 0.2851, 0.3101

# Monochromacy



## Original Color

61.6112, 0.2857, 0.3136

## Achromatopsia

60.3827, 0.3127, 0.3290

## Achromatomaly

60.7161, 0.3025, 0.3231

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.6112, 0.2857, 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(184, 210, 223)` looks like.

```
.text, #text, p{  
    color:rgb(184, 210, 223)  
}
```

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(184, 210, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 210, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 61.6112, 0.2857, 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(184, 210, 223) }
```

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

```
.border{ border-color:rgb(184, 210, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 210, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 210, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 210, 223);  
box-shadow:4px 4px 4px 4px rgb(184, 210,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.6112, 0.2857, 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(184, 210, 223) }
```

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

```
.background{ background-color: rgb(184,  
210, 223) }
```

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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