

# Converting Colors

Yxy(61.6357, 0.2829, 0.2994)

Have a look what the booklet for  
Yxy(61.6357, 0.2829, 0.2994)  
contains.

<b>Yxy(61.8138, 0.2827, 0.3000)</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(61.8138, 0.2827, 0.3000)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDD0E9
RGB	189, 208, 233
RGB Percent	74%, 82%, 91%
CMY	0.2589, 0.1843, 0.0861
CMYK	0.19, 0.11, 0.00, 0.09
HSL	214°, 50%, 83%
HSV	214°, 19%, 91%
XYZ	58.2492, 61.8138, 85.9830
YIQ	205.1690, -19.3490, 3.7470

# Conversions

## Conversions Part 2

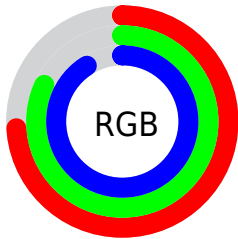
Format	Color
R <sub>Y</sub> B	189, 202, 233
Decimal	12439785
CIE Lab	82.81, -1.22, -14.49
CIE LCh	83, 14.544, 265.192
Yxy	61.8138, 0.2827, 0.3000
Android (android.graphics.Color)	4290629865 (0xFFBDD0E9)
YUV	205.1690, 13.7207, -14.1802
Hunter-Lab	78.6218, -5.3412, -9.8060

# Details

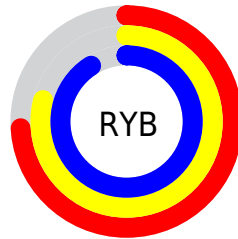
The Yxy color **61.8138, 0.2827, 0.3000** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.1002, 0.3448, 0.3564**, and the grayscale version is **61.0835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **31.4364, 0.2755, 0.2937** is the 20% darker color. If you saturate the color by 10%, you get **52.8837, 0.2659, 0.2822**, and if you desaturate by 10%, it is **71.7666, 0.2989, 0.3161**.

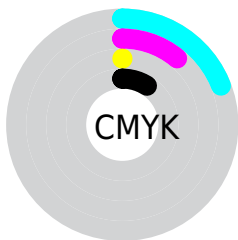
# Distribution



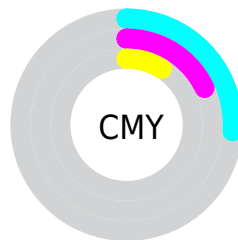
- Red (74%)
- Green (82%)
- Blue (91%)



- Red (74%)
- Yellow (79%)
- Blue (91%)



- Cyan (19%)
- Magenta (11%)
- Yellow (0%)
- Black (9%)



- Cyan (26%)
- Magenta (18%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.8138, 0.2827, 0.3000 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 61.8138, 0.2827, 0.3000 by changing the saturation by 10% instead.



■ 61.8138, 0.2827,  
0.3000

■ 61.8138, 0.2827,  
0.3000

431.2516, 0.2969,  
0.3138

■ 44.8823, 0.2794,  
0.2968

■ 107.4564, 0.2877,  
0.3048

■ 31.3647, 0.2753,  
0.2927

136.9362, 0.2896,  
0.3067

■ 20.8767, 0.2700,  
0.2876

171.3676, 0.2912,  
0.3083

■ 13.0339, 0.2630,  
0.2807

211.1349, 0.2927,  
0.3097

■ 7.4519, 0.2533,  
0.2712

256.6226, 0.2939,  
0.3109

■ 3.7463, 0.2390,  
0.2570

308.2150, 0.2950,

■ 1.5327, 0.2161,

0.3120

0.2342

366.2965, 0.2960,  
0.3129

0.3116, 0.1342,  
0.1570

0.0000, 0.0000,  
0.0000

61.8138, 0.2827,  
0.3000

61.8138, 0.2827,  
0.3000

52.8837, 0.2659,  
0.2822

71.7666, 0.2989,  
0.3161

44.9328, 0.2488,  
0.2627

82.7684, 0.3144,  
0.3305

37.9253, 0.2320,  
0.2418

94.1099, 0.3263,  
0.3433

31.8201, 0.2159,  
0.2199

98.6656, 0.3256,  
0.3502

■ 26.5722, 0.2013,  
0.1976

■ 22.1319, 0.1887,  
0.1756

■ 18.4423, 0.1786,  
0.1546

■ 15.4248, 0.1711,  
0.1353

■ 15.1272, 0.1704,  
0.1333

# Harmonies

## Analogous

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



61.8138, 0.2774, 0.3096



61.8138, 0.2827, 0.3000



61.8138, 0.2960, 0.2982

# Triad

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



61.8138, 0.2827, 0.3000



61.8138, 0.3453, 0.3316



61.8138, 0.3106, 0.3559

# Complementary

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



61.8138, 0.2827, 0.3000



69.1002, 0.3448, 0.3564

# 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.



61.8138, 0.3290, 0.3616



61.8138, 0.2827, 0.3000



61.8138, 0.3494, 0.3469

# Square

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



61.8138, 0.2827, 0.3000



61.8138, 0.3322, 0.3161



61.8138, 0.3433, 0.3581



61.8138, 0.2932, 0.3422



# Rectangle

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



61.8138, 0.2827, 0.3000



61.8138, 0.3077, 0.3013



61.8138, 0.3433, 0.3581



61.8138, 0.3169, 0.3588

# Sweetspot

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



61.8163, 0.2827, 0.3000



91.7923, 0.3035, 0.3204



73.9695, 0.2953, 0.3509



19.4622, 0.3024, 0.3195



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

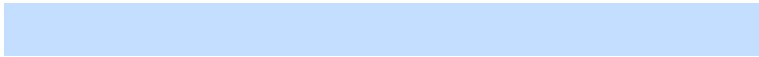


# Same Dimension

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



61.8163, 0.2827, 0.3000



71.0772, 0.2757, 0.2927



53.4633, 0.2835, 0.2775



15.6191, 0.2980, 0.3153



8.8159, 0.1712, 0.1361



0.8801, 0.1786, 0.1630



# Inverse Universe

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



58.2683, 0.3343, 0.3082



66.1549, 0.3402, 0.3033



78.8152, 0.3390, 0.3764



15.1621, 0.3225, 0.3189



10.3828, 0.5243, 0.2662

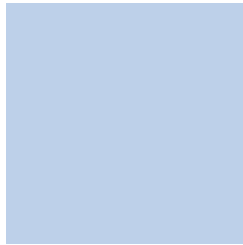


0.8343, 0.4893, 0.2469



# Previews

## White Background



This preview shows how the Yxy color 61.8138, 0.2827, 0.3000 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

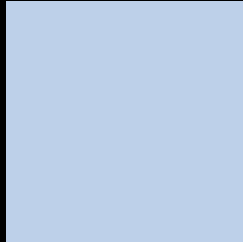
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.8138, 0.2827, 0.3000 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

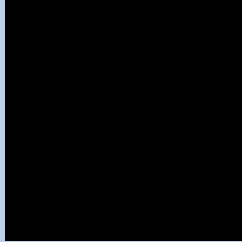
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

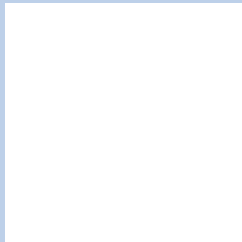
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.8138, 0.2827, 0.3000**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.8138, 0.2827, 0.3000.



This preview shows how white text looks on a background with the Yxy color 61.8138, 0.2827, 0.3000.

# 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

61.8138, 0.2827, 0.3000

### Protanopia

61.5118, 0.2928, 0.2983

### Deuteranopia

61.7685, 0.2973, 0.2914



## Tritanopia

61.7833, 0.2865, 0.3091

# Trichromacy



## Original Color

61.8138, 0.2827, 0.3000

## Protanomaly

61.3592, 0.2887, 0.2981

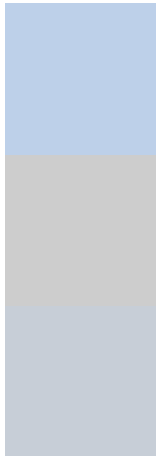
## Deuteranomaly

61.9636, 0.2923, 0.2952

## Tritanomaly

61.9494, 0.2846, 0.3057

# Monochromacy



## Original Color

61.8138, 0.2827, 0.3000

## Achromatopsia

61.0496, 0.3127, 0.3290

## Achromatomaly

61.1910, 0.3013, 0.3185

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.8138, 0.2827, 0.3000 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, 208, 233)` looks like.

```
.text, #text, p{  
    color:rgb(189, 208, 233)  
}
```

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, 208, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 208, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 61.8138, 0.2827, 0.3000 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, 208, 233) }
```

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

```
.border{ border-color:rgb(189, 208, 233) }
```

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

Here you see how a box with a 4 pixel rgb(189, 208, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 208, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 208, 233);  
box-shadow:4px 4px 4px 4px rgb(189, 208,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.8138, 0.2827, 0.3000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 208, 233) }
```

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

```
.background{ background-color: rgb(189,  
208, 233) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor