

# Converting Colors

$Yxy(61.5161, 0.2921, 0.3212)$

Have a look what the booklet for  
Yxy(61.5161, 0.2921, 0.3212)  
contains.

<b>Yxy(61.6159, 0.2921, 0.3218)</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(61.6159, 0.2921, 0.3218)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBD2D8
RGB	187, 210, 216
RGB Percent	73%, 82%, 85%
CMY	0.2668, 0.1764, 0.1528
CMYK	0.13, 0.03, 0.00, 0.15
HSL	192°, 27%, 79%
HSV	192°, 13%, 85%
XYZ	55.9292, 61.6159, 73.9276
YIQ	203.8070, -15.6340, -3.0100

# Conversions

## Conversions Part 2

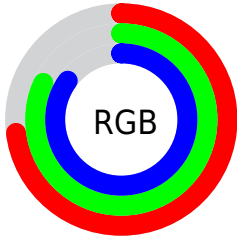
Format	Color
R <sub>Y</sub> B	187, 200, 216
Decimal	12309208
CIE Lab	82.71, -6.48, -5.60
CIE LCh	83, 8.561, 220.819
Yxy	61.6159, 0.2921, 0.3218
Android (android.graphics.Color)	4290499288 (0xFFBBD2D8)
YUV	203.8070, 6.0111, -14.7397
Hunter-Lab	78.4958, -10.1843, -0.8925

# Details

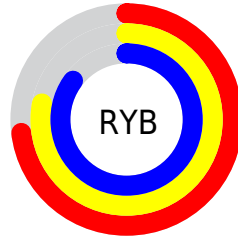
The Yxy color **61.6159, 0.2921, 0.3218** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.3152, 0.3363, 0.3361**, and the grayscale version is **60.2220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **31.4185, 0.2877, 0.3210** is the 20% darker color. If you saturate the color by 10%, you get **56.9207, 0.2772, 0.3159**, and if you desaturate by 10%, it is **66.7876, 0.3074, 0.3272**.

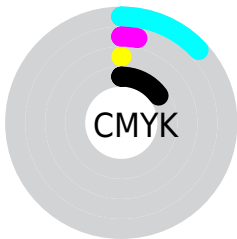
# Distribution



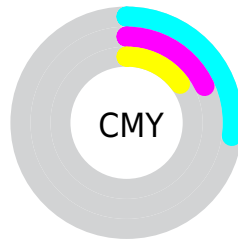
- Red (73%)
- Green (82%)
- Blue (85%)



- Red (73%)
- Yellow (78%)
- Blue (85%)



- Cyan (13%)
- Magenta (3%)
- Yellow (0%)
- Black (15%)



- Cyan (27%)
- Magenta (18%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.6159, 0.2921, 0.3218 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 61.6159, 0.2921, 0.3218 by changing the saturation by 10% instead.



■ 61.6159, 0.2921,  
0.3218

■ 61.6159, 0.2921,  
0.3218

430.5286, 0.3019,  
0.3253

■ 44.7224, 0.2898,  
0.3210

■ 107.1702, 0.2955,  
0.3231

■ 31.2388, 0.2869,  
0.3199

136.5998, 0.2969,  
0.3235

■ 20.7808, 0.2833,  
0.3185

170.9769, 0.2980,  
0.3239

■ 12.9639, 0.2784,  
0.3166

210.6859, 0.2990,  
0.3243

■ 7.4037, 0.2715,  
0.3138

256.1112, 0.2998,  
0.3246

■ 3.7158, 0.2613,  
0.3096

307.6371, 0.3006,

■ 1.5159, 0.2443,

0.3249

365.6481, 0.3013,  
0.3251

0.3021

0.2999, 0.1108,  
0.2620

0.0000, 0.0000,  
0.0000

61.6159, 0.2921,  
0.3218

61.6159, 0.2921,  
0.3218

56.9207, 0.2772,  
0.3159

66.7876, 0.3074,  
0.3272

52.6756, 0.2629,  
0.3094

72.4458, 0.3228,  
0.3322

48.8630, 0.2497,  
0.3026

78.6096, 0.3381,  
0.3366

45.4612, 0.2378,  
0.2954

81.6432, 0.3397,  
0.3410

■ 42.4461, 0.2275,  
0.2880

■ 84.1319, 0.3391,  
0.3454

■ 39.7908, 0.2190,  
0.2804

■ 86.6845, 0.3384,  
0.3497

■ 37.4645, 0.2125,  
0.2728

■ 89.3016, 0.3377,  
0.3541

■ 35.4298, 0.2079,  
0.2653

■ 91.9836, 0.3371,  
0.3584

■ 34.2156, 0.2057,  
0.2604

■ 94.7310, 0.3364,  
0.3626

# Harmonies

## Analogous

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



61.6159, 0.2969, 0.3317



61.6159, 0.2921, 0.3218



61.6159, 0.2927, 0.3141

# Triad

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



61.6159, 0.2921, 0.3218



61.6159, 0.3193, 0.3175



61.6159, 0.3269, 0.3478

# Complementary

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



61.6159, 0.2921, 0.3218



56.3152, 0.3363, 0.3361

# 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.



61.6159, 0.3331, 0.3436



61.6159, 0.2921, 0.3218



61.6159, 0.3287, 0.3261

# Square

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



61.6159, 0.2921, 0.3218



61.6159, 0.3083, 0.3119



61.6159, 0.3338, 0.3356



61.6159, 0.3169, 0.3469



# Rectangle

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



61.6159, 0.2921, 0.3218



61.6159, 0.2961, 0.3113



61.6159, 0.3338, 0.3356



61.6159, 0.3295, 0.3469

# Sweetspot

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



61.6185, 0.2921, 0.3218



96.7779, 0.3065, 0.3269



63.5244, 0.3072, 0.3571



20.5875, 0.3053, 0.3265



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

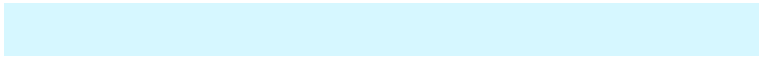


# Same Dimension

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



61.6185, 0.2921, 0.3218



87.7998, 0.2880, 0.3203



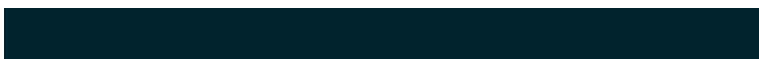
54.8532, 0.2916, 0.3044



13.6514, 0.2983, 0.3241



20.4060, 0.2060, 0.2615



1.3431, 0.2096, 0.2745



# Inverse Universe

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



54.7791, 0.3189, 0.3026



76.1428, 0.3203, 0.2972



62.9626, 0.3341, 0.3525



12.5866, 0.3169, 0.3107



10.4049, 0.3809, 0.1872

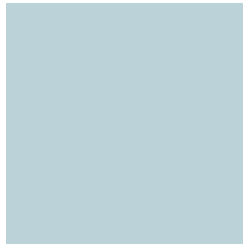


0.6389, 0.3686, 0.1804



# Previews

## White Background



This preview shows how the Yxy color 61.6159, 0.2921, 0.3218 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

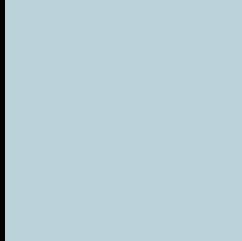
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.6159, 0.2921, 0.3218 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

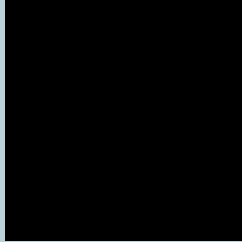
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

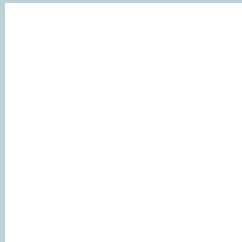
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.6159, 0.2921, 0.3218**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.6159, 0.2921, 0.3218.

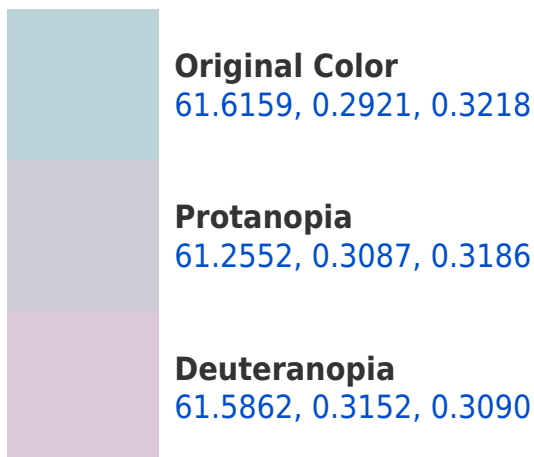


This preview shows how white text looks on a background with the Yxy color 61.6159, 0.2921, 0.3218.

# 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

61.8560, 0.2878, 0.3102

# Trichromacy



## Original Color

61.6159, 0.2921, 0.3218

## Protanomaly

61.2770, 0.3027, 0.3197

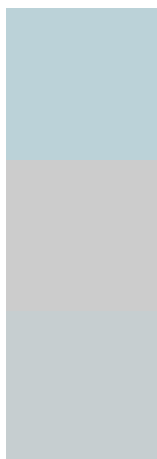
## Deuteranomaly

61.6054, 0.3066, 0.3141

## Tritanomaly

61.5662, 0.2890, 0.3136

# Monochromacy



## Original Color

61.6159, 0.2921, 0.3218

## Achromatopsia

60.3827, 0.3127, 0.3290

## Achromatomaly

60.7024, 0.3053, 0.3266

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.6159, 0.2921, 0.3218 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(187, 210, 216)` looks like.

```
.text, #text, p{  
    color:rgb(187, 210, 216)  
}
```

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(187, 210, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 210, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 61.6159, 0.2921, 0.3218 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(187, 210, 216) }
```

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

```
.border{ border-color:rgb(187, 210, 216) }
```

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

Here you see how a box with a 4 pixel rgb(187, 210, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 210, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 210, 216);  
box-shadow:4px 4px 4px 4px rgb(187, 210,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.6159, 0.2921, 0.3218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 210, 216) }
```

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

```
.background{ background-color: rgb(187,  
210, 216) }
```

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