

# Converting Colors

$Y_{xy}(52.2911, 0.2862, 0.3041)$

Have a look what the booklet for  
Yxy(52.2911, 0.2862, 0.3041)  
contains.

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# Color

**Yxy(52.2911, 0.2862, 0.3041)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B1C1D5
RGB	177, 193, 213
RGB Percent	69%, 76%, 84%
CMY	0.3058, 0.2431, 0.1647
CMYK	0.17, 0.09, 0.00, 0.16
HSL	213°, 30%, 76%
HSV	213°, 17%, 84%
XYZ	49.2131, 52.2911, 70.4494
YIQ	190.4960, -15.9560, 2.8280

# Conversions

## Conversions Part 2

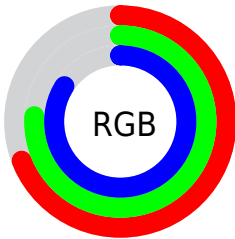
Format	Color
<b>RYB</b>	177, 188, 213
Decimal	11649493
CIELab	77.45, -1.32, -11.85
CIELCh	77, 11.928, 263.633
Yxy	52.2911, 0.2862, 0.3041
Android (android.graphics.Color)	4289839573 (0xFFB1C1D5)
YUV	190.4960, 11.0945, -11.8360
Hunter-Lab	72.3126, -5.0669, -7.1435

# Details

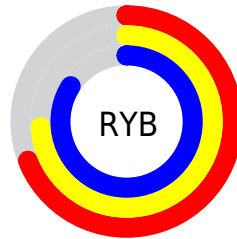
The Yxy color **52.2911, 0.2862, 0.3041** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.2580, 0.3409, 0.3527**, and the grayscale version is **51.7371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2950, 0.2993, 0.3230**, and **25.5099, 0.2795, 0.2988** is the 20% darker color. If you saturate the color by 10%, you get **44.9584, 0.2696, 0.2871**, and if you desaturate by 10%, it is **60.4374, 0.3022, 0.3194**.

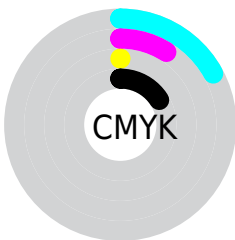
# Distribution



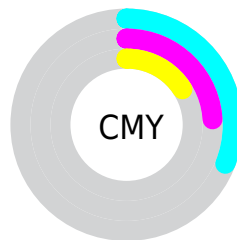
- Red (69%)
- Green (76%)
- Blue (84%)



- Red (69%)
- Yellow (74%)
- Blue (84%)



- Cyan (17%)
- Magenta (9%)
- Yellow (0%)
- Black (16%)



- Cyan (31%)
- Magenta (24%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.2911, 0.2862, 0.3041 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 52.2911, 0.2862, 0.3041 by changing the saturation by 10% instead.



■ 52.2911, 0.2862,  
0.3041

■ 52.2911, 0.2862,  
0.3041

■ 395.5594, 0.2991,  
0.3163

■ 37.2372, 0.2831,  
0.3011

■ 93.5604, 0.2908,  
0.3085

■ 25.3912, 0.2791,  
0.2974

■ 120.5446, 0.2926,  
0.3101

■ 16.3687, 0.2740,  
0.2925

■ 152.2742, 0.2941,  
0.3115

■ 9.7854, 0.2669,  
0.2858

■ 189.1339, 0.2954,  
0.3128

■ 5.2569, 0.2569,  
0.2761

■ 231.5078, 0.2965,  
0.3138

■ 2.3988, 0.2413,  
0.2610

■ 279.7804, 0.2975,

■ 0.8253, 0.2134,

0.3147

0.2342

334.3361, 0.2983,  
0.3156

0.0000, 0.0000,  
0.0000

52.2911, 0.2862,  
0.3041

52.2911, 0.2862,  
0.3041

44.9584, 0.2696,  
0.2871

60.4374, 0.3022,  
0.3194

38.4050, 0.2528,  
0.2685

69.4170, 0.3173,  
0.3331

32.6034, 0.2361,  
0.2485

79.2573, 0.3316,  
0.3451

27.5219, 0.2201,  
0.2274

88.5884, 0.3398,  
0.3562

23.1260, 0.2053,  
0.2058

95.7996, 0.3380,  
0.3674

■ 19.3776, 0.1924,  
0.1841

■ 97.5841, 0.3376,  
0.3701

■ 16.2337, 0.1818,  
0.1632

■ 13.6407, 0.1739,  
0.1438

■ 12.9235, 0.1717,  
0.1381

# Harmonies

## Analogous

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



52.2911, 0.2819, 0.3128



52.2911, 0.2862, 0.3041



52.2911, 0.2975, 0.3021

# Triad

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



52.2911, 0.2862, 0.3041



52.2911, 0.3405, 0.3306



52.2911, 0.3118, 0.3526

# Complementary

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



52.2911, 0.2862, 0.3041



57.2580, 0.3409, 0.3527

# 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.



52.2911, 0.3276, 0.3573



52.2911, 0.2862, 0.3041



52.2911, 0.3445, 0.3440

# Square

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



52.2911, 0.2862, 0.3041



52.2911, 0.3289, 0.3172



52.2911, 0.3397, 0.3539



52.2911, 0.2965, 0.3412



# Rectangle

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



52.2911, 0.2862, 0.3041



52.2911, 0.3076, 0.3046



52.2911, 0.3397, 0.3539



52.2911, 0.3172, 0.3551

# Sweetspot

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



52.2933, 0.2862, 0.3041



93.2240, 0.3050, 0.3221



60.9593, 0.2976, 0.3490



19.7555, 0.3039, 0.3210



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

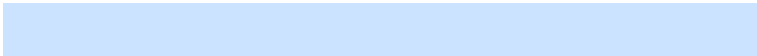


# Same Dimension

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



52.2933, 0.2862, 0.3041



74.8097, 0.2808, 0.2987



45.8142, 0.2867, 0.2838



12.9079, 0.2982, 0.3157



8.0911, 0.1724, 0.1407



0.6516, 0.1817, 0.1742



# Inverse Universe

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



49.4453, 0.3311, 0.3101



69.9730, 0.3354, 0.3062



64.6419, 0.3365, 0.3709



12.5116, 0.3222, 0.3187



9.1617, 0.5181, 0.2628

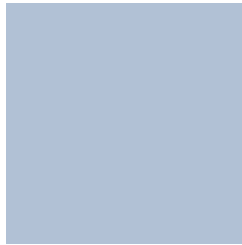


0.5691, 0.4755, 0.2393



# Previews

## White Background



This preview shows how the Yxy color 52.2911, 0.2862, 0.3041 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

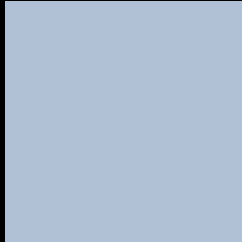
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.2911, 0.2862, 0.3041 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

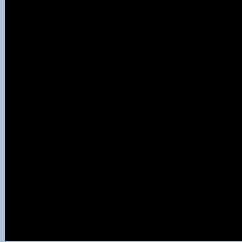
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

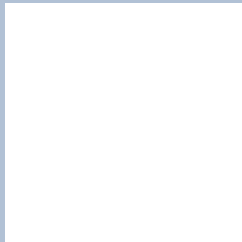
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.2911, 0.2862, 0.3041**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.2911, 0.2862, 0.3041.



This preview shows how white text looks on a background with the Yxy color 52.2911, 0.2862, 0.3041.

# 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

52.2911, 0.2862, 0.3041

### Protanopia

52.3489, 0.2965, 0.3034

### Deuteranopia

52.1150, 0.3022, 0.2957



## Tritanopia

52.4171, 0.2882, 0.3102

# Trichromacy



## Original Color

52.2911, 0.2862, 0.3041

## Protanomaly

52.3294, 0.2928, 0.3032

## Deuteranomaly

52.3266, 0.2959, 0.2988

## Tritanomaly

52.4668, 0.2875, 0.3090

# Monochromacy



## Original Color

52.2911, 0.2862, 0.3041

## Achromatopsia

52.0996, 0.3127, 0.3290

## Achromatomaly

52.2619, 0.3028, 0.3203

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.2911, 0.2862, 0.3041 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, 193, 213)` looks like.

```
.text, #text, p{  
    color:rgb(177, 193, 213)  
}
```

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, 193, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 193, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 52.2911, 0.2862, 0.3041 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, 193, 213) }
```

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

```
.border{ border-color:rgb(177, 193, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 193, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 193, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 193, 213);  
box-shadow:4px 4px 4px 4px rgb(177, 193,  
213) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.2911, 0.2862, 0.3041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 193, 213) }
```

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

```
.background{ background-color: rgb(177,  
193, 213) }
```

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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