

# Converting Colors

$Y_{xy}(59.9050, 0.2910, 0.3056)$

Have a look what the booklet for  
Yxy(59.9050, 0.2910, 0.3056)  
contains.

<b>Yxy(59.9050, 0.2910, 0.3056)</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(59.9050, 0.2910, 0.3056)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C1CCE0
RGB	193, 204, 224
RGB Percent	76%, 80%, 88%
CMY	0.2431, 0.2000, 0.1216
CMYK	0.14, 0.09, 0.00, 0.12
HSL	219°, 33%, 82%
HSV	219°, 14%, 88%
XYZ	57.0430, 59.9050, 79.0762
YIQ	202.9910, -12.9760, 3.8880

# Conversions

## Conversions Part 2

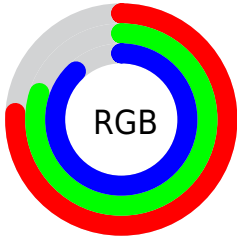
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	193, 201, 224
Decimal	12700896
CIE Lab	81.79, 0.26, -11.18
CIE LCh	82, 11.179, 271.329
Yxy	59.9050, 0.2910, 0.3056
Android (android.graphics.Color)	4290890976 (0xFFC1CCE0)
YUV	202.9910, 10.3574, -8.7621
Hunter-Lab	77.3983, -3.8914, -6.3965

# Details

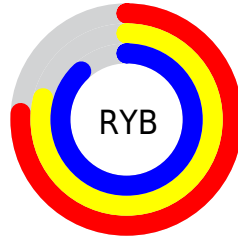
The Yxy color **59.9050, 0.2910, 0.3056** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.2973, 0.3350, 0.3514**, and the grayscale version is **59.6580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **30.1662, 0.2851, 0.2995** is the 20% darker color. If you saturate the color by 10%, you get **50.6243, 0.2741, 0.2863**, and if you desaturate by 10%, it is **70.2749, 0.3069, 0.3229**.

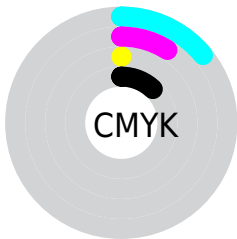
# Distribution



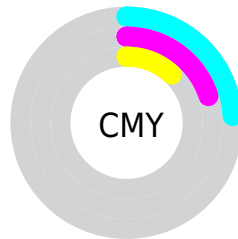
- Red (76%)
- Green (80%)
- Blue (88%)



- Red (76%)
- Yellow (79%)
- Blue (88%)



- Cyan (14%)
- Magenta (9%)
- Yellow (0%)
- Black (12%)



- Cyan (24%)
- Magenta (20%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.9050, 0.2910, 0.3056 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 59.9050, 0.2910, 0.3056 by changing the saturation by 10% instead.



■ 59.9050, 0.2910,  
0.3056

■ 59.9050, 0.2910,  
0.3056

424.2475, 0.3014,  
0.3168

■ 43.3421, 0.2886,  
0.3030

■ 104.6918, 0.2947,  
0.3095

■ 30.1536, 0.2855,  
0.2997

133.6845, 0.2961,  
0.3111

■ 19.9552, 0.2815,  
0.2954

167.5893, 0.2973,  
0.3123

■ 12.3625, 0.2763,  
0.2897

206.7905, 0.2983,  
0.3135

■ 6.9910, 0.2688,  
0.2818

251.6725, 0.2992,  
0.3144

■ 3.4565, 0.2577,  
0.2698

302.6198, 0.3000,

■ 1.3744, 0.2392,

0.3153

0.2501

360.0166, 0.3007,  
0.3161

0.1978, 0.1399,  
0.1424

0.0000, 0.0000,  
0.0000

59.9050, 0.2910,  
0.3056

59.9050, 0.2910,  
0.3056

50.6243, 0.2741,  
0.2863

70.2749, 0.3069,  
0.3229

42.3881, 0.2566,  
0.2650

81.7618, 0.3217,  
0.3382

35.1593, 0.2388,  
0.2419

93.3983, 0.3319,  
0.3519

28.8956, 0.2213,  
0.2175

98.1618, 0.3310,  
0.3592

■ 23.5513, 0.2048,  
0.1925

■ 19.0766, 0.1901,  
0.1677

■ 15.4156, 0.1779,  
0.1442

■ 12.5039, 0.1686,  
0.1230

■ 11.0296, 0.1643,  
0.1113

# Harmonies

## Analogous

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



59.9050, 0.2854, 0.3120



59.9050, 0.2910, 0.3056



59.9050, 0.3024, 0.3054

# Triad

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



59.9050, 0.2910, 0.3056



59.9050, 0.3392, 0.3337



59.9050, 0.3082, 0.3480

# Complementary

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



59.9050, 0.2910, 0.3056



67.2973, 0.3350, 0.3514

# 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.



59.9050, 0.3226, 0.3539



59.9050, 0.2910, 0.3056



59.9050, 0.3408, 0.3452

# Square

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



59.9050, 0.2910, 0.3056



59.9050, 0.3304, 0.3213



59.9050, 0.3346, 0.3527



59.9050, 0.2952, 0.3366



# Rectangle

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



59.9050, 0.2910, 0.3056



59.9050, 0.3119, 0.3086



59.9050, 0.3346, 0.3527



59.9050, 0.3130, 0.3507

# Sweetspot

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



59.9075, 0.2910, 0.3056



93.9867, 0.3066, 0.3226



69.4372, 0.2986, 0.3421



19.8808, 0.3054, 0.3213



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.



59.9075, 0.2910, 0.3056



76.1105, 0.2855, 0.2995



55.4215, 0.2937, 0.2928



14.0341, 0.2981, 0.3134



6.6168, 0.1650, 0.1141



0.6233, 0.1737, 0.1451



# Inverse Universe

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



58.3559, 0.3295, 0.3167



73.7189, 0.3342, 0.3136



72.3575, 0.3303, 0.3635



13.7804, 0.3237, 0.3207



9.5760, 0.5551, 0.2832

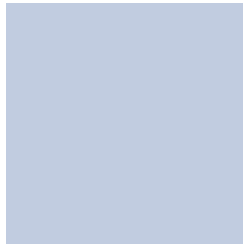


0.6804, 0.5123, 0.2596



# Previews

## White Background



This preview shows how the Yxy color 59.9050, 0.2910, 0.3056 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

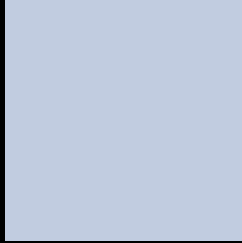
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.9050, 0.2910, 0.3056 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

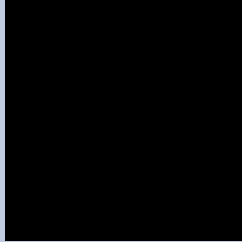
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

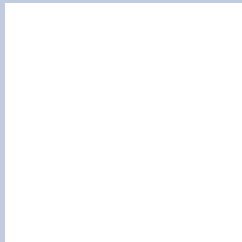
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.9050, 0.2910, 0.3056**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.9050, 0.2910, 0.3056.



This preview shows how white text looks on a background with the Yxy color 59.9050, 0.2910, 0.3056.

# 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

59.9050, 0.2910, 0.3056

### Protanopia

59.9863, 0.2974, 0.3048

### Deuteranopia

59.9705, 0.3049, 0.2987



## Tritanopia

60.0896, 0.2923, 0.3102

# Trichromacy



## Original Color

59.9050, 0.2910, 0.3056

## Protanomaly

60.0454, 0.2952, 0.3058

## Deuteranomaly

59.8666, 0.2997, 0.3005

## Tritanomaly

60.1430, 0.2916, 0.3090

# Monochromacy



## Original Color

59.9050, 0.2910, 0.3056

## Achromatopsia

59.7202, 0.3127, 0.3290

## Achromatomaly

59.5571, 0.3041, 0.3196

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.9050, 0.2910, 0.3056 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(193, 204, 224)` looks like.

```
.text, #text, p{  
    color:rgb(193, 204, 224)  
}
```

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(193, 204, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 204, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 59.9050, 0.2910, 0.3056 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(193, 204, 224) }
```

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

```
.border{ border-color:rgb(193, 204, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 204, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 204, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 204, 224);  
box-shadow:4px 4px 4px 4px rgb(193, 204,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.9050, 0.2910, 0.3056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 204, 224) }
```

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

```
.background{ background-color: rgb(193,  
204, 224) }
```

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