

# Converting Colors

$Yxy(60.0283, 0.2893, 0.3256)$

Have a look what the booklet for  
Yxy(60.0283, 0.2893, 0.3256)  
contains.

<b>Yxy(59.9381, 0.2891, 0.3253)</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(59.9381, 0.2891, 0.3253)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3D1D4
RGB	179, 209, 212
RGB Percent	70%, 82%, 83%
CMY	0.2982, 0.1803, 0.1686
CMYK	0.16, 0.01, 0.00, 0.17
HSL	185°, 28%, 77%
HSV	185°, 16%, 83%
XYZ	53.2681, 59.9381, 71.0487
YIQ	200.3720, -18.8430, -5.4270

# Conversions

## Conversions Part 2

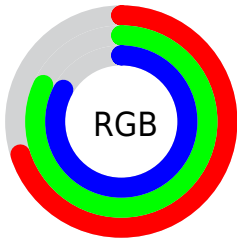
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 195, 212
Decimal	11784660
CIELab	81.80, -9.33, -4.84
CIELCh	82, 10.517, 207.421
Yxy	59.9381, 0.2891, 0.3253
Android (android.graphics.Color)	4289974740 (0xFFB3D1D4)
YUV	200.3720, 5.7326, -18.7432
Hunter-Lab	77.4197, -12.6688, -0.2171

# Details

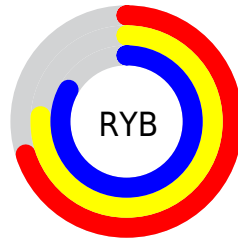
The Yxy color **59.9381, 0.2891, 0.3253** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.6867, 0.3413, 0.3327**, and the grayscale version is **57.9704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **30.3126, 0.2837, 0.3257** is the 20% darker color. If you saturate the color by 10%, you get **56.6712, 0.2749, 0.3227**, and if you desaturate by 10%, it is **63.6096, 0.3041, 0.3277**.

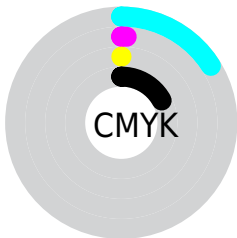
# Distribution



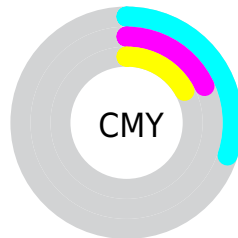
- Red (70%)
- Green (82%)
- Blue (83%)



- Red (70%)
- Yellow (76%)
- Blue (83%)



- Cyan (16%)
- Magenta (1%)
- Yellow (0%)
- Black (17%)




- Cyan (30%)
- Magenta (18%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.9381, 0.2891, 0.3253 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 59.9381, 0.2891, 0.3253 by changing the saturation by 10% instead.




 59.9381, 0.2891,  
0.3253

 59.9381, 0.2891,  
0.3253


424.3696, 0.3003,  
0.3272

 43.3687, 0.2865,  
0.3248

 104.7399, 0.2931,  
0.3260

 30.1745, 0.2831,  
0.3242


133.7411, 0.2946,  
0.3262

 19.9711, 0.2789,  
0.3234


167.6550, 0.2959,  
0.3265

 12.3740, 0.2732,  
0.3223

206.8661, 0.2970,  
0.3266

 6.9990, 0.2651,  
0.3206

251.7587, 0.2980,  
0.3268

 3.4614, 0.2531,  
0.3178

302.7172, 0.2989,

 1.3771, 0.2330,

0.3269

360.1260, 0.2997,  
0.3271

0.3126

0.1998, 0.0000,  
0.2643

0.0000, 0.0000,  
0.0000

59.9381, 0.2891,  
0.3253

59.9381, 0.2891,  
0.3253

56.6712, 0.2749,  
0.3227

63.6096, 0.3041,  
0.3277

53.7837, 0.2617,  
0.3199

67.6949, 0.3196,  
0.3300

51.2590, 0.2499,  
0.3169

72.2120, 0.3353,  
0.3320

49.0764, 0.2398,  
0.3139

75.4753, 0.3444,  
0.3338

■ 47.2128, 0.2314,  
0.3108

■ 76.4675, 0.3440,  
0.3358

■ 45.6424, 0.2249,  
0.3077

■ 77.4711, 0.3437,  
0.3377

■ 44.3351, 0.2204,  
0.3046

■ 78.4863, 0.3434,  
0.3396

■ 43.2539, 0.2176,  
0.3015

■ 79.5131, 0.3431,  
0.3415

■ 42.8185, 0.2167,  
0.3001

■ 80.5516, 0.3428,  
0.3434

# Harmonies

## Analogous

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



59.9381, 0.2976, 0.3377



59.9381, 0.2891, 0.3253



59.9381, 0.2868, 0.3142

# Triad

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



59.9381, 0.2891, 0.3253



59.9381, 0.3148, 0.3111



59.9381, 0.3345, 0.3507

# Complementary

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



59.9381, 0.2891, 0.3253



50.6867, 0.3413, 0.3327

# 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.



59.9381, 0.3393, 0.3430



59.9381, 0.2891, 0.3253



59.9381, 0.3278, 0.3204

# Square

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



59.9381, 0.2891, 0.3253



59.9381, 0.3014, 0.3064



59.9381, 0.3369, 0.3319



59.9381, 0.3237, 0.3526



# Rectangle

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



59.9381, 0.2891, 0.3253



59.9381, 0.2890, 0.3091



59.9381, 0.3369, 0.3319



59.9381, 0.3368, 0.3487

# Sweetspot

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



59.9406, 0.2891, 0.3253



96.9281, 0.3049, 0.3279



60.0327, 0.3089, 0.3669



20.6570, 0.3038, 0.3277



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.



59.9406, 0.2891, 0.3253



89.1771, 0.2838, 0.3244



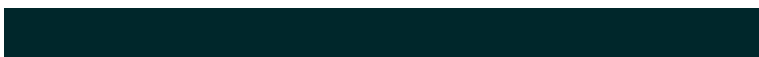
52.3536, 0.2883, 0.3051



13.9068, 0.2983, 0.3268



26.5108, 0.2168, 0.3006



1.6564, 0.2183, 0.3059



# Inverse Universe

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



50.8274, 0.3169, 0.2940



72.6089, 0.3180, 0.2857



57.7465, 0.3384, 0.3518



12.6124, 0.3151, 0.3081



11.0211, 0.3449, 0.1674

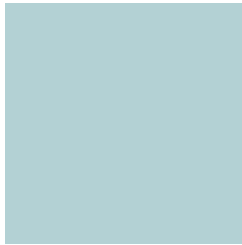


0.6705, 0.3403, 0.1648



# Previews

## White Background



This preview shows how the Yxy color 59.9381, 0.2891, 0.3253 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

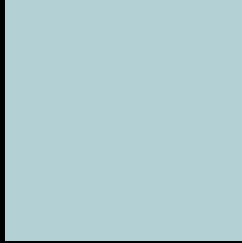
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.9381, 0.2891, 0.3253 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

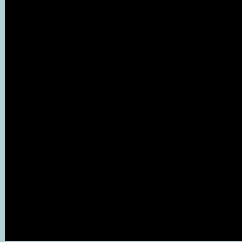
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

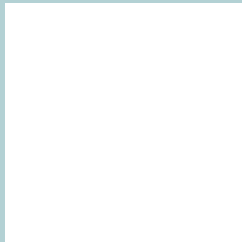
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.9381, 0.2891, 0.3253**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.9381, 0.2891, 0.3253.



This preview shows how white text looks on a background with the Yxy color 59.9381, 0.2891, 0.3253.

# 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

59.9381, 0.2891, 0.3253

### Protanopia

59.7743, 0.3107, 0.3220

### Deuteranopia

59.5393, 0.3160, 0.3098



## Tritanopia

59.8312, 0.2828, 0.3087

# Trichromacy



## Original Color

59.9381, 0.2891, 0.3253

## Protanomaly

60.0019, 0.3032, 0.3242

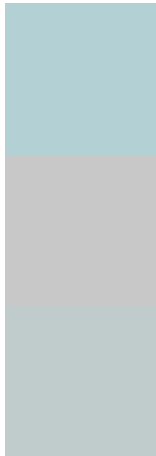
## Deuteranomaly

59.2739, 0.3057, 0.3150

## Tritanomaly

59.9824, 0.2847, 0.3145

# Monochromacy



## Original Color

59.9381, 0.2891, 0.3253

## Achromatopsia

57.7580, 0.3127, 0.3290

## Achromatomaly

58.2780, 0.3037, 0.3278

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.9381, 0.2891, 0.3253 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(179, 209, 212)` looks like.

```
.text, #text, p{  
    color:rgb(179, 209, 212)  
}
```

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(179, 209, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 209, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 59.9381, 0.2891, 0.3253 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(179, 209, 212) }
```

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

```
.border{ border-color:rgb(179, 209, 212) }
```

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

Here you see how a box with a 4 pixel rgb(179, 209, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 209, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 209, 212);  
box-shadow:4px 4px 4px 4px rgb(179, 209,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.9381, 0.2891, 0.3253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 209, 212) }
```

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

```
.background{ background-color: rgb(179,  
209, 212) }
```

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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