

# Converting Colors

Yxy(59.4864, 0.2214, 0.3144)

Have a look what the booklet for  
Yxy(59.4864, 0.2214, 0.3144)  
contains.

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# Color

**Yxy(59.4196, 0.2213, 0.3141)**

# Conversions

## Conversions Part 1

Format	Color
Hex	10E0EB
RGB	16, 224, 235
RGB Percent	6%, 88%, 92%
CMY	0.9387, 0.1215, 0.0783
CMYK	0.93, 0.05, 0.00, 0.08
HSL	183°, 88%, 49%
HSV	183°, 93%, 92%
XYZ	41.8642, 59.4196, 87.8903
YIQ	163.0620, -127.4990, -40.6750

# Conversions

## Conversions Part 2

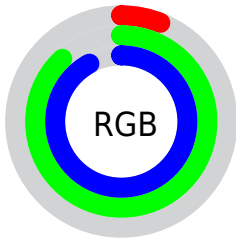
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	16, 123, 235
Decimal	1106155
CIE Lab	81.52, -39.92, -18.08
CIE LCh	82, 43.827, 204.361
Yxy	59.4196, 0.2213, 0.3141
Android (android.graphics.Color)	4279296235 (0xFF10E0EB)
YUV	163.0620, 35.4654, -128.9734
Hunter-Lab	77.0841, -37.9542, -13.6428

# Details

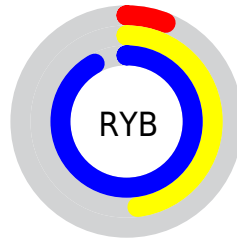
The Yxy color **59.4196, 0.2213, 0.3141** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **18.4747, 0.6269, 0.3333**, and the grayscale version is **36.4812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **31.2599, 0.2194, 0.3098** is the 20% darker color. If you saturate the color by 10%, you get **58.8929, 0.2203, 0.3130**, and if you desaturate by 10%, it is **60.3867, 0.2239, 0.3158**.

# Distribution



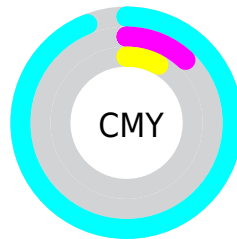
- Red (6%)
- Green (88%)
- Blue (92%)



- Red (6%)
- Yellow (48%)
- Blue (92%)



- Cyan (93%)
- Magenta (5%)
- Yellow (0%)
- Black (8%)




- Cyan (94%)
- Magenta (12%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.4196, 0.2213, 0.3141 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 59.4196, 0.2213, 0.3141 by changing the saturation by 10% instead.



 59.4196, 0.2213,  
0.3141


 59.4196, 0.2213,  
0.3141

422.4551, 0.2635,  
0.3228

 42.9510, 0.2118,  
0.3117


 103.9873, 0.2359,  
0.3175


 29.8467, 0.2001,  
0.3085


 132.8551, 0.2416,  
0.3187

 19.7222, 0.1856,  
0.3040


 166.6248, 0.2465,  
0.3197

 12.1933, 0.1670,  
0.2976

 205.6808, 0.2508,  
0.3205

 6.8755, 0.1427,  
0.2877

 250.4074, 0.2545,  
0.3212

 3.3843, 0.1101,  
0.2713

301.1891, 0.2579,

 1.3355, 0.0440,

0.3218

0.2472

358.4102, 0.2608,  
0.3223

■ 0.1685, 0.0000,  
0.0990

■ 0.0000, 0.0000,  
0.0000

■ 59.4196, 0.2213,  
0.3141

■ 59.4196, 0.2213,  
0.3141

■ 58.8929, 0.2203,  
0.3130

■ 60.3867, 0.2239,  
0.3158

■ 61.6399, 0.2283,  
0.3175

■ 63.2270, 0.2346,  
0.3192

■ 65.1854, 0.2429,  
0.3209

67.5475, 0.2530,  
0.3226

70.3423, 0.2648,  
0.3242

73.5959, 0.2780,  
0.3258

77.3324, 0.2923,  
0.3272

81.5743, 0.3075,  
0.3286

# Harmonies

## Analogous

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



59.4196, 0.2542, 0.3715



59.4196, 0.2213, 0.3141



59.4196, 0.2114, 0.2684

# Triad

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



59.4196, 0.2213, 0.3141



59.4196, 0.3129, 0.2579



59.4196, 0.4046, 0.4128

# Complementary

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



59.4196, 0.2213, 0.3141



18.4747, 0.6269, 0.3333

# 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.



59.4196, 0.4253, 0.3749



59.4196, 0.2213, 0.3141



59.4196, 0.3702, 0.2896

# Square

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



59.4196, 0.2213, 0.3141



59.4196, 0.2604, 0.2414



59.4196, 0.4129, 0.3309



59.4196, 0.3597, 0.4318



# Rectangle

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



59.4196, 0.2213, 0.3141



59.4196, 0.2179, 0.2497



59.4196, 0.4129, 0.3309



59.4196, 0.4147, 0.4015

# Sweetspot

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



59.4218, 0.2213, 0.3141



86.6109, 0.2715, 0.3250



59.6248, 0.2992, 0.5922



18.1854, 0.2659, 0.3244



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.



59.4218, 0.2213, 0.3141



70.8274, 0.2203, 0.3129



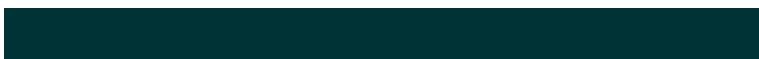
18.2259, 0.1765, 0.1512



16.9844, 0.2981, 0.3278



32.8216, 0.2204, 0.3133



2.6173, 0.2210, 0.3156



# Inverse Universe

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



23.4113, 0.3331, 0.1628



27.6812, 0.3342, 0.1615



35.4015, 0.5166, 0.4232



15.2999, 0.3146, 0.3069



12.8062, 0.3339, 0.1613

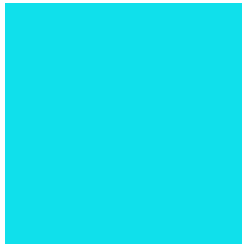


1.0096, 0.3319, 0.1602



# Previews

## White Background



This preview shows how the Yxy color 59.4196, 0.2213, 0.3141 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

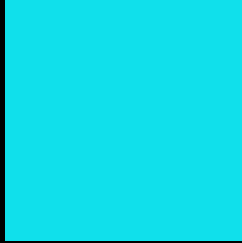
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.4196, 0.2213, 0.3141 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

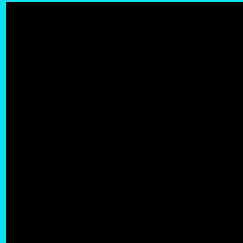
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.4196, 0.2213, 0.3141**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.4196, 0.2213, 0.3141.



This preview shows how white text looks on a background with the Yxy color 59.4196, 0.2213, 0.3141.

# 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

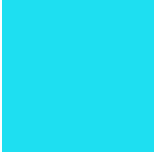
59.4196, 0.2213, 0.3141

### Protanopia

58.1034, 0.2986, 0.3056

### Deuteranopia

58.1101, 0.2846, 0.2782



## **Tritanopia**

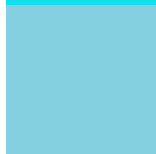
59.4022, 0.2199, 0.3052

# Trichromacy



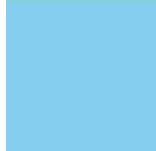
## Original Color

59.4196, 0.2213, 0.3141



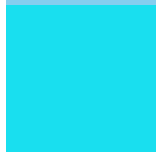
## Protanomaly

55.4535, 0.2528, 0.3070



## Deuteranomaly

55.3612, 0.2458, 0.2875



## Tritanomaly

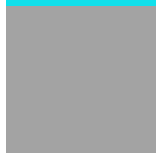
59.2140, 0.2202, 0.3077

# Monochromacy



## Original Color

59.4196, 0.2213, 0.3141



## Achromatopsia

36.6253, 0.3127, 0.3290



## Achromatomaly

41.6233, 0.2548, 0.3229

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.4196, 0.2213, 0.3141 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(16, 224, 235)` looks like.

```
.text, #text, p{  
  color:rgb(16, 224, 235)  
}
```

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(16, 224, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 224, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 59.4196, 0.2213, 0.3141 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(16, 224, 235) }
```

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

```
.border{ border-color:rgb(16, 224, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 224, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 224, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 224, 235);  
box-shadow:4px 4px 4px 4px rgb(16, 224,  
235) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.4196, 0.2213, 0.3141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 224, 235) }
```

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

```
.background{ background-color: rgb(16, 224,  
235) }
```

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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