

Converting Colors

$Yxy(59.1911, 0.2161, 0.2968)$

Have a look what the booklet for
Yxy(59.1911, 0.2161, 0.2968)
contains.

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Color

Yxy(59.0096, 0.2160, 0.2963)

Conversions

Conversions Part 1

Format	Color
Hex	09DEF7
RGB	9, 222, 247
RGB Percent	4%, 87%, 97%
CMY	0.9658, 0.1294, 0.0313
CMYK	0.96, 0.10, 0.00, 0.03
HSL	186°, 94%, 50%
HSV	186°, 96%, 97%
XYZ	43.0175, 59.0096, 97.1278
YIQ	161.1630, -134.9730, -37.3810

Conversions

Conversions Part 2

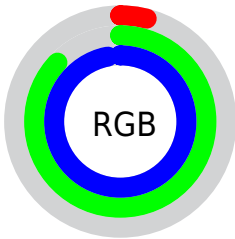
Format	Color
RYB	9, 121, 247
Decimal	646903
CIELab	81.30, -35.49, -24.77
CIELCh	81, 43.285, 214.914
Yxy	59.0096, 0.2160, 0.2963
Android (android.graphics.Color)	4278836983 (0xFF09DEF7)
YUV	161.1630, 42.3176, -133.4470
Hunter-Lab	76.8177, -34.4720, -21.1935

Details

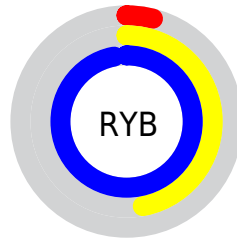
The Yxy color **59.0096, 0.2160, 0.2963** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light saturated cyan. A complement of this color would be **20.9252, 0.6273, 0.3368**, and the grayscale version is **35.5256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **31.0340, 0.2131, 0.2870** is the 20% darker color. If you saturate the color by 10%, you get **58.4700, 0.2153, 0.2950**, and if you desaturate by 10%, it is **60.6742, 0.2187, 0.2999**.

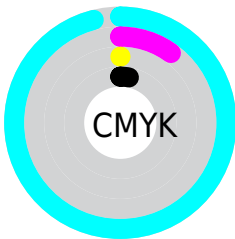
Distribution



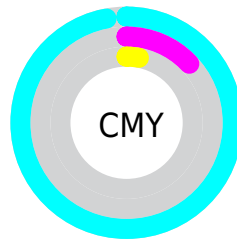
- Red (4%)
- Green (87%)
- Blue (97%)



- Red (4%)
- Yellow (47%)
- Blue (97%)



- Cyan (96%)
- Magenta (10%)
- Yellow (0%)
- Black (3%)



- Cyan (97%)
- Magenta (13%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.0096, 0.2160, 0.2963 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 59.0096, 0.2160, 0.2963 by changing the saturation by 10% instead.

 59.0096, 0.2160,
0.2963


 59.0096, 0.2160,
0.2963


420.9375, 0.2604,
0.3135


 42.6208, 0.2061,
0.2919


 103.3916, 0.2312,
0.3027


 29.5877, 0.1940,
0.2862


 132.1537, 0.2372,
0.3050


 19.5259, 0.1791,
0.2787


 165.8089, 0.2424,
0.3070

 12.0509, 0.1601,
0.2683

 204.7418, 0.2469,
0.3087

 6.7783, 0.1356,
0.2533

 249.3367, 0.2509,
0.3102

 3.3239, 0.1035,
0.2302

299.9781, 0.2544,

 1.3031, 0.0483,

0.3114

0.1953

357.0502, 0.2576,
0.3125

■ 0.1436, 0.0000,
0.0609

■ 0.0000, 0.0000,
0.0000

■ 59.0096, 0.2160,
0.2963

■ 59.0096, 0.2160,
0.2963

■ 58.4700, 0.2153,
0.2950

■ 60.6742, 0.2187,
0.2999

■ 62.6568, 0.2232,
0.3036

■ 65.0156, 0.2296,
0.3073

■ 67.7957, 0.2379,
0.3109

■ 71.0352, 0.2481,
0.3145

■ 74.7680, 0.2600,
0.3180

■ 79.0247, 0.2732,
0.3213

■ 83.8333, 0.2876,
0.3244

■ 89.2197, 0.3027,
0.3273

Harmonies

Analogous

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



59.0096, 0.2409, 0.3510



59.0096, 0.2160, 0.2963



59.0096, 0.2144, 0.2580

Triad

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



59.0096, 0.2160, 0.2963



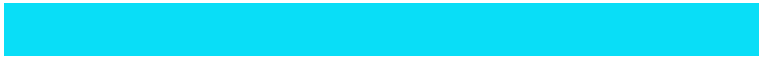
59.0096, 0.3332, 0.2681



59.0096, 0.3902, 0.4216

Complementary

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



59.0096, 0.2160, 0.2963



20.9252, 0.6273, 0.3368

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.



59.0096, 0.4204, 0.3890



59.0096, 0.2160, 0.2963



59.0096, 0.3871, 0.3037

Square

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



59.0096, 0.2160, 0.2963



59.0096, 0.2777, 0.2460



59.0096, 0.4201, 0.3464



59.0096, 0.3405, 0.4300

Rectangle

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



59.0096, 0.2160, 0.2963



59.0096, 0.2262, 0.2447



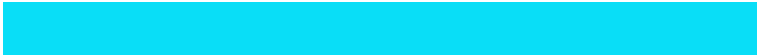
59.0096, 0.4201, 0.3464



59.0096, 0.4031, 0.4126

Sweetspot

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



59.0117, 0.2160, 0.2963



83.7154, 0.2697, 0.3205



66.6932, 0.2981, 0.5910



17.4986, 0.2640, 0.3191



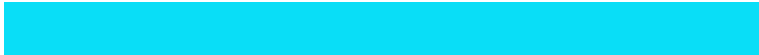
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



59.0117, 0.2160, 0.2963



62.8311, 0.2153, 0.2950



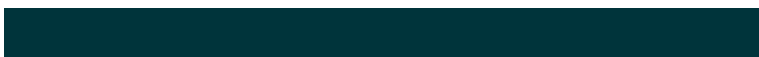
16.6815, 0.1699, 0.1297



18.4430, 0.2981, 0.3264



31.0444, 0.2155, 0.2956



2.8123, 0.2167, 0.3002

Inverse Universe

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



25.2396, 0.3486, 0.1704



26.8740, 0.3499, 0.1701



42.1544, 0.5085, 0.4323



16.7366, 0.3154, 0.3081



13.2333, 0.3493, 0.1698



1.1715, 0.3453, 0.1676

Previews

White Background



This preview shows how the Yxy color 59.0096, 0.2160, 0.2963 looks on a white background.

Color Contrast Check

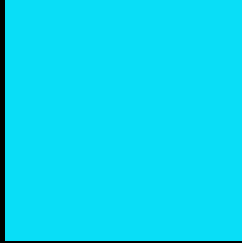
Large Text (above 18pt) WCAG AA × Fail

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 59.0096, 0.2160, 0.2963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

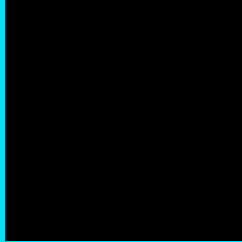
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.0096, 0.2160, 0.2963

Background



This preview shows how black text looks on a background with the Yxy color 59.0096, 0.2160, 0.2963.

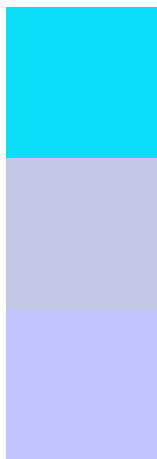


This preview shows how white text looks on a background with the Yxy color 59.0096, 0.2160, 0.2963.

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

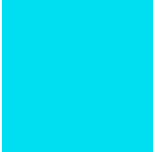
59.0160, 0.2160, 0.2963

Protanopia

58.0857, 0.2869, 0.2919

Deuteranopia

57.7782, 0.2717, 0.2651



Tritanopia

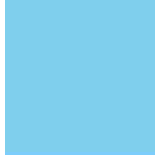
59.1262, 0.2181, 0.3051

Trichromacy



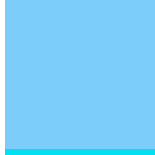
Original Color

59.0160, 0.2160, 0.2963



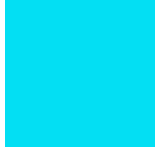
Protanomaly

55.2521, 0.2440, 0.2909



Deuteranomaly

54.9877, 0.2361, 0.2721



Tritanomaly

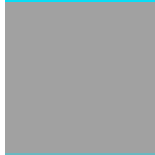
59.2658, 0.2175, 0.3026

Monochromacy



Original Color

59.0160, 0.2160, 0.2963



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

40.7369, 0.2508, 0.3154

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.0096, 0.2160, 0.2963 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(9, 222, 247)` looks like.

```
.text, #text, p{  
  color:rgb(9, 222, 247)  
}
```

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(9, 222, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 222, 247) }
```

Border

The CSS property to change the border of an element to Yxy 59.0096, 0.2160, 0.2963 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(9, 222, 247) }
```

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

```
.border{ border-color:rgb(9, 222, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 222, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 222, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 222, 247);  
box-shadow:4px 4px 4px 4px rgb(9, 222,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 59.0096, 0.2160, 0.2963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 222, 247) }
```

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

```
.background{ background-color: rgb(9, 222,  
247) }
```

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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