

# Converting Colors

$Y_{xy}(59.8956, 0.2252, 0.3079)$

Have a look what the booklet for  
Yxy(59.8956, 0.2252, 0.3079)  
contains.

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# Color

**Yxy(59.9994, 0.2253, 0.3080)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3DDFEF
RGB	61, 223, 239
RGB Percent	24%, 87%, 94%
CMY	0.7608, 0.1255, 0.0628
CMYK	0.74, 0.07, 0.00, 0.06
HSL	185°, 85%, 59%
HSV	185°, 74%, 94%
XYZ	43.8892, 59.9994, 90.9147
YIQ	176.3860, -101.6880, -29.3680

# Conversions

## Conversions Part 2

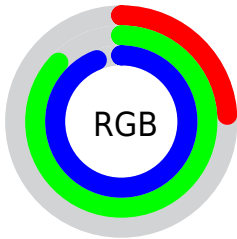
Format	Color
R <sub>Y</sub> B	61, 146, 239
Decimal	4055023
CIE Lab	81.84, -35.25, -19.64
CIE LCh	82, 40.355, 209.131
Yxy	59.9994, 0.2253, 0.3080
Android (android.graphics.Color)	4282245103 (0xFF3DDFEF)
YUV	176.3860, 30.8687, -101.1935
Hunter-Lab	77.4593, -34.4139, -15.3677

# Details

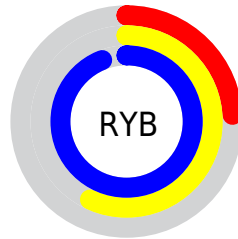
The Yxy color **59.9994, 0.2253, 0.3080** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **23.9887, 0.5579, 0.3424**, and the grayscale version is **43.5037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8083, 0.2497, 0.3288**, and **31.0563, 0.2171, 0.3014** is the 20% darker color. If you saturate the color by 10%, you get **58.2656, 0.2206, 0.3049**, and if you desaturate by 10%, it is **62.0897, 0.2319, 0.3111**.

# Distribution



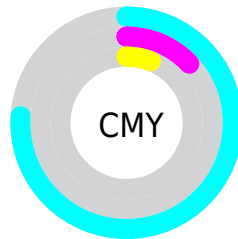
- Red (24%)
- Green (87%)
- Blue (94%)



- Red (24%)
- Yellow (57%)
- Blue (94%)



- Cyan (74%)
- Magenta (7%)
- Yellow (0%)
- Black (6%)



- Cyan (76%)
- Magenta (13%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.9994, 0.2253, 0.3080 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 59.9994, 0.2253, 0.3080 by changing the saturation by 10% instead.





 59.9994, 0.2253,  
0.3080

 59.9994, 0.2253,  
0.3080


424.5956, 0.2656,  
0.3194


 43.4182, 0.2162,  
0.3050


 104.8288, 0.2392,  
0.3123


 30.2133, 0.2051,  
0.3011


 133.8457, 0.2446,  
0.3139

 20.0006, 0.1912,  
0.2957


 167.7767, 0.2493,  
0.3152

 12.3955, 0.1734,  
0.2883

 207.0061, 0.2534,  
0.3163

 7.0136, 0.1501,  
0.2771

251.9182, 0.2570,  
0.3172

 3.4706, 0.1187,  
0.2593

302.8976, 0.2602,

 1.3821, 0.0644,

0.3180

0.2311

360.3286, 0.2631,  
0.3188

0.2035, 0.0000,  
0.1046

0.0000, 0.0000,  
0.0000

59.9994, 0.2253,  
0.3080

59.9994, 0.2253,  
0.3080

58.2656, 0.2206,  
0.3049

62.0897, 0.2319,  
0.3111


56.8329, 0.2178,  
0.3018

64.5696, 0.2405,  
0.3142


56.1308, 0.2167,  
0.3002

67.4759, 0.2508,  
0.3173


70.8389, 0.2628,  
0.3202

 74.6862, 0.2762,  
0.3230

 79.0434, 0.2906,  
0.3256

 83.9338, 0.3058,  
0.3280

 89.3796, 0.3214,  
0.3302

 91.1816, 0.3231,  
0.3323

# Harmonies

## Analogous

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



59.9994, 0.2529, 0.3597



59.9994, 0.2253, 0.3080



59.9994, 0.2195, 0.2685

# Triad

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



59.9994, 0.2253, 0.3080



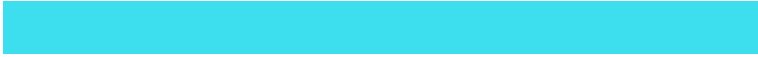
59.9994, 0.3216, 0.2670



59.9994, 0.3922, 0.4108

# Complementary

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



59.9994, 0.2253, 0.3080



23.9887, 0.5579, 0.3424

# 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.



59.9994, 0.4151, 0.3782



59.9994, 0.2253, 0.3080



59.9994, 0.3731, 0.2984

# Square

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



59.9994, 0.2253, 0.3080



59.9994, 0.2715, 0.2492



59.9994, 0.4085, 0.3378



59.9994, 0.3486, 0.4232

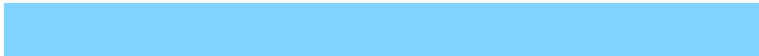


# Rectangle

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



59.9994, 0.2253, 0.3080



59.9994, 0.2278, 0.2531



59.9994, 0.4085, 0.3378



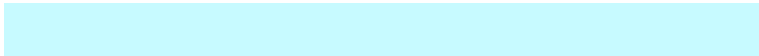
59.9994, 0.4027, 0.4015

# Sweetspot

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



60.0016, 0.2253, 0.3080



87.6974, 0.2795, 0.3236



63.2343, 0.2976, 0.5521



18.4907, 0.2757, 0.3229



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.



60.0016, 0.2253, 0.3080



66.6716, 0.2190, 0.3034



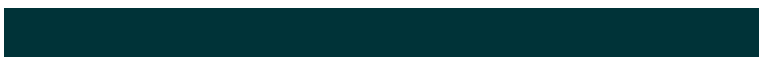
24.5950, 0.1928, 0.1811



17.6721, 0.2981, 0.3268



31.1252, 0.2169, 0.3006



2.6598, 0.2180, 0.3047



# Inverse Universe

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



27.0130, 0.3373, 0.1801



28.0696, 0.3422, 0.1697



45.5308, 0.4705, 0.4297



16.0055, 0.3152, 0.3078



12.9355, 0.3448, 0.1673

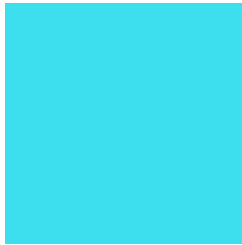


1.0832, 0.3413, 0.1654



# Previews

## White Background



This preview shows how the Yxy color 59.9994, 0.2253, 0.3080 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

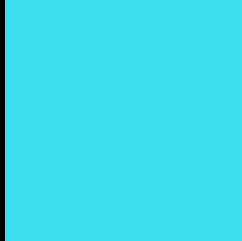
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.9994, 0.2253, 0.3080 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

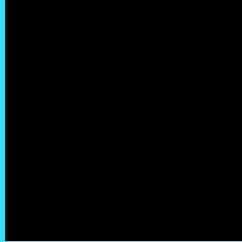
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.9994, 0.2253, 0.3080**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.9994, 0.2253, 0.3080.

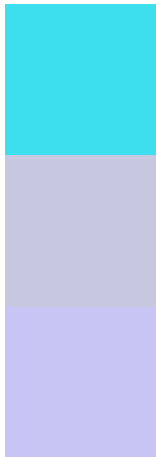


This preview shows how white text looks on a background with the Yxy color 59.9994, 0.2253, 0.3080.

# 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

59.9994, 0.2253, 0.3080

### Protanopia

58.8325, 0.2952, 0.3012

### Deuteranopia

58.8044, 0.2821, 0.2753



## Tritanopia

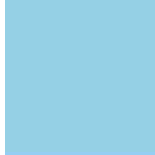
60.1504, 0.2247, 0.3055

# Trichromacy



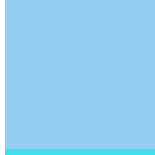
## Original Color

59.9994, 0.2253, 0.3080



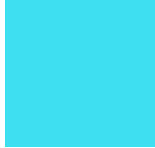
## Protanomaly

57.1585, 0.2600, 0.3027



## Deuteranomaly

57.0032, 0.2522, 0.2839



## Tritanomaly

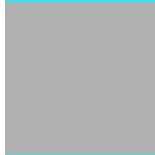
60.0908, 0.2251, 0.3067

# Monochromacy



## Original Color

59.9994, 0.2253, 0.3080



## Achromatopsia

43.4154, 0.3127, 0.3290



## Achromatomaly

47.3318, 0.2656, 0.3206

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.9994, 0.2253, 0.3080 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(61, 223, 239)` looks like.

```
.text, #text, p{  
    color:rgb(61, 223, 239)  
}
```

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(61, 223, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 223, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 59.9994, 0.2253, 0.3080 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(61, 223, 239) }
```

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

```
.border{ border-color:rgb(61, 223, 239) }
```

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

Here you see how a box with a 4 pixel rgb(61, 223, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 223, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 223, 239);  
box-shadow:4px 4px 4px 4px rgb(61, 223,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.9994, 0.2253, 0.3080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 223, 239) }
```

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

```
.background{ background-color: rgb(61, 223,  
239) }
```

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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