

# Converting Colors

$Yxy(59.8433, 0.2303, 0.3059)$

Have a look what the booklet for  
Yxy(59.8433, 0.2303, 0.3059)  
contains.

<b>Yxy(59.8297, 0.2304, 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(59.8297, 0.2304, 0.3056)**

# Conversions

## Conversions Part 1

Format	Color
Hex	54DDEF
RGB	84, 221, 239
RGB Percent	33%, 87%, 94%
CMY	0.6698, 0.1334, 0.0627
CMYK	0.65, 0.08, 0.00, 0.06
HSL	187°, 83%, 63%
HSV	187°, 65%, 94%
XYZ	45.1072, 59.8297, 90.8409
YIQ	182.0890, -87.4300, -23.4460

# Conversions

## Conversions Part 2

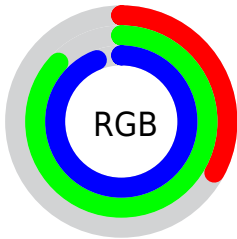
Format	Color
<a href="#">RYB</a>	<a href="#">84, 157, 239</a>
Decimal	<a href="#">5561839</a>
CIELab	<a href="#">81.75, -31.31, -19.75</a>
CIELCh	<a href="#">82, 37.020, 212.247</a>
Yxy	<a href="#">59.8297, 0.2304, 0.3056</a>
Android (android.graphics.Color)	<a href="#">4283751919</a> ( <a href="#">0xFF54DDEF</a> )
YUV	<a href="#">182.0890, 28.0571, -86.0241</a>
Hunter-Lab	<a href="#">77.3497, -31.2679, -15.4865</a>

# Details

The Yxy color **59.8297, 0.2304, 0.3056** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **28.5456, 0.5104, 0.3470**, and the grayscale version is **46.7411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1296, 0.2557, 0.3288**, and **30.3292, 0.2161, 0.2979** is the 20% darker color. If you saturate the color by 10%, you get **57.4501, 0.2235, 0.3015**, and if you desaturate by 10%, it is **62.6145, 0.2392, 0.3097**.

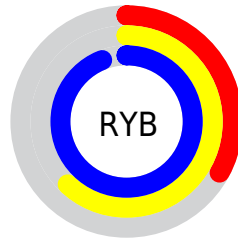
# Distribution



Red (33%)

Green (87%)

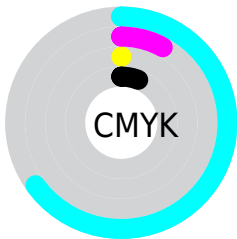
Blue (94%)



Red (33%)

Yellow (62%)

Blue (94%)

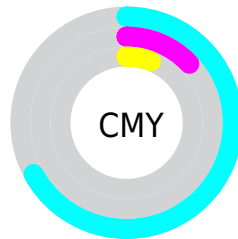


Cyan (65%)

Magenta (8%)

Yellow (0%)

Black (6%)



Cyan (67%)

Magenta (13%)


Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.8297, 0.2304, 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 59.8297, 0.2304, 0.3056 by changing the saturation by 10% instead.





 59.8297, 0.2304,  
0.3056


 59.8297, 0.2304,  
0.3056


423.9698, 0.2685,  
0.3180


 43.2814, 0.2218,  
0.3024


 104.5826, 0.2436,  
0.3102


 30.1060, 0.2112,  
0.2983


 133.5559, 0.2487,  
0.3119

 19.9190, 0.1980,  
0.2927


 167.4398, 0.2531,  
0.3133

 12.3362, 0.1810,  
0.2850

 206.6185, 0.2570,  
0.3145

 6.9731, 0.1585,  
0.2736

251.4764, 0.2604,  
0.3156

 3.4453, 0.1279,  
0.2556

302.3980, 0.2634,

 1.3684, 0.0780,

0.3165

359.7677, 0.2661,  
0.3173

0.2265

0.1932, 0.0000,  
0.1001

0.0000, 0.0000,  
0.0000

59.8297, 0.2304,  
0.3056

59.8297, 0.2304,  
0.3056

57.4501, 0.2235,  
0.3015

62.6145, 0.2392,  
0.3097

55.4290, 0.2185,  
0.2974

65.8323, 0.2499,  
0.3136

53.7192, 0.2154,  
0.2933

69.5161, 0.2621,  
0.3175

52.9096, 0.2142,  
0.2913

73.6936, 0.2756,  
0.3211

78.3904, 0.2901,  
0.3245

83.6301, 0.3053,  
0.3276

89.4348, 0.3209,  
0.3305

91.7451, 0.3230,  
0.3332

93.4261, 0.3228,  
0.3358

# Harmonies

## Analogous

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



59.8297, 0.2542, 0.3523



59.8297, 0.2304, 0.3056



59.8297, 0.2270, 0.2707

# Triad

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



59.8297, 0.2304, 0.3056



59.8297, 0.3262, 0.2741



59.8297, 0.3826, 0.4068

# Complementary

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



59.8297, 0.2304, 0.3056



28.5456, 0.5104, 0.3470

# 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.



59.8297, 0.4059, 0.3786



59.8297, 0.2304, 0.3056



59.8297, 0.3725, 0.3045

# Square

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



59.8297, 0.2304, 0.3056



59.8297, 0.2792, 0.2560



59.8297, 0.4026, 0.3416



59.8297, 0.3414, 0.4148

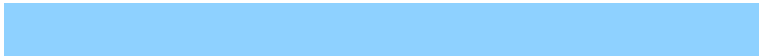


# Rectangle

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



59.8297, 0.2304, 0.3056



59.8297, 0.2362, 0.2575



59.8297, 0.4026, 0.3416



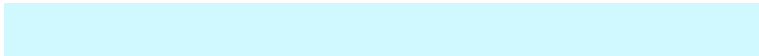
59.8297, 0.3929, 0.3990

# Sweetspot

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



59.8319, 0.2304, 0.3056



88.3933, 0.2838, 0.3231



64.5489, 0.2973, 0.5211



18.5884, 0.2796, 0.3221



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

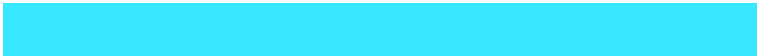


# Same Dimension

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



59.8319, 0.2304, 0.3056



65.6849, 0.2215, 0.3001



28.7252, 0.2053, 0.1996



17.5962, 0.2981, 0.3262



29.3616, 0.2144, 0.2919



2.5308, 0.2159, 0.2972



# Inverse Universe

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



29.9456, 0.3383, 0.1954



29.9150, 0.3444, 0.1801



50.4766, 0.4457, 0.4249



15.9979, 0.3156, 0.3084



12.7574, 0.3526, 0.1716

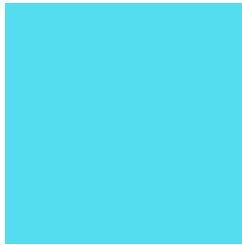


1.0702, 0.3479, 0.1690



# Previews

## White Background



This preview shows how the Yxy color 59.8297, 0.2304, 0.3056 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

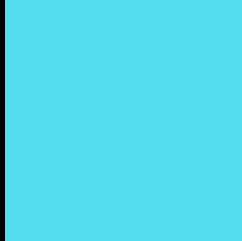
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.8297, 0.2304, 0.3056 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

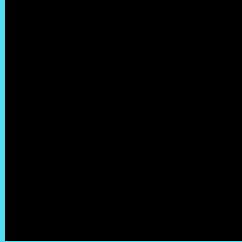
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.8297, 0.2304, 0.3056**

## Background



This preview shows how black text looks on a background with the Yxy color 59.8297, 0.2304, 0.3056.

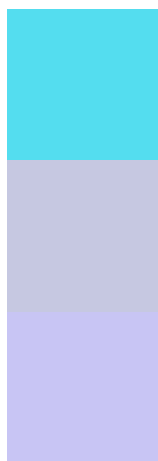


This preview shows how white text looks on a background with the Yxy color 59.8297, 0.2304, 0.3056.

# 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

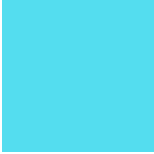
59.8297, 0.2304, 0.3056

### Protanopia

58.7506, 0.2938, 0.3000

### Deuteranopia

58.7435, 0.2827, 0.2763



## **Tritanopia**

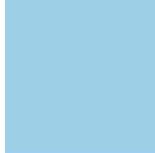
59.8297, 0.2304, 0.3056

# Trichromacy



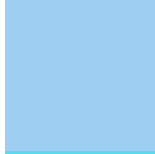
## Original Color

59.8297, 0.2304, 0.3056



## Protanomaly

57.9930, 0.2641, 0.3019



## Deuteranomaly

57.8225, 0.2579, 0.2856



## Tritanomaly

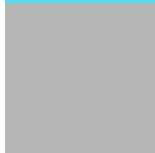
59.8297, 0.2304, 0.3056

# Monochromacy



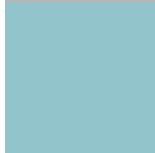
## Original Color

59.8297, 0.2304, 0.3056



## Achromatopsia

46.7784, 0.3127, 0.3290



## Achromatomaly

49.9026, 0.2713, 0.3195

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.8297, 0.2304, 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(84, 221, 239)` looks like.

```
.text, #text, p{  
    color:rgb(84, 221, 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(84, 221, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 221, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 59.8297, 0.2304, 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(84, 221, 239) }
```

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

```
.border{ border-color:rgb(84, 221, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 221, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 221, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 221, 239);  
box-shadow:4px 4px 4px 4px rgb(84, 221,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.8297, 0.2304, 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(84, 221, 239) }
```

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

```
.background{ background-color: rgb(84, 221,  
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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