

# Converting Colors

$Yxy(59.4397, 0.2384, 0.3247)$

Have a look what the booklet for  
Yxy(59.4397, 0.2384, 0.3247)  
contains.

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# Color

**Yxy(59.2684, 0.2386, 0.3248)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5ADDE0
RGB	90, 221, 224
RGB Percent	35%, 87%, 88%
CMY	0.6464, 0.1334, 0.1215
CMYK	0.60, 0.01, 0.00, 0.12
HSL	181°, 68%, 62%
HSV	181°, 60%, 88%
XYZ	43.5389, 59.2684, 79.6693
YIQ	182.1730, -79.0390, -26.8390

# Conversions

## Conversions Part 2

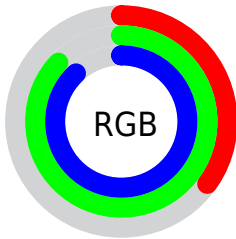
<b>Format</b>	<b>Color</b>
<b>RYB</b>	90, 156, 224
Decimal	5955040
CIELab	81.44, -34.56, -12.22
CIELCh	81, 36.659, 199.477
Yxy	59.2684, 0.2386, 0.3248
Android (android.graphics.Color)	4284145120 (0xFF5ADDE0)
YUV	182.1730, 20.6207, -80.8357
Hunter-Lab	76.9860, -33.7759, -7.4663

# Details

The Yxy color **59.2684, 0.2386, 0.3248** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **24.4488, 0.4971, 0.3327**, and the grayscale version is **46.8194, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5123, 0.2574, 0.3288**, and **29.7748, 0.2227, 0.3216** is the 20% darker color. If you saturate the color by 10%, you get **58.0430, 0.2319, 0.3240**, and if you desaturate by 10%, it is **60.8376, 0.2472, 0.3256**.

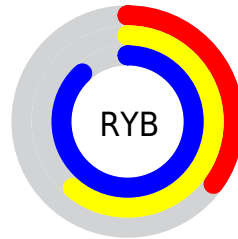
# Distribution



Red (35%)

Green (87%)

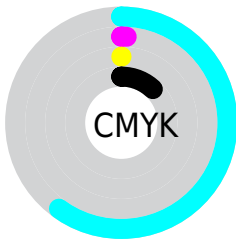
Blue (88%)



Red (35%)

Yellow (61%)

Blue (88%)

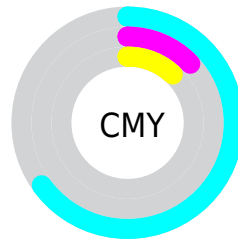


Cyan (60%)

Magenta (1%)

Yellow (0%)

Black (12%)



Cyan (65%)

Magenta (13%)


Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.2684, 0.2386, 0.3248 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 59.2684, 0.2386, 0.3248 by changing the saturation by 10% instead.




 59.2684, 0.2386,  
0.3248

 59.2684, 0.2386,  
0.3248


421.8958, 0.2733,  
0.3278


 42.8292, 0.2306,  
0.3238


 103.7677, 0.2507,  
0.3261

 29.7511, 0.2208,  
0.3225


 132.5965, 0.2553,  
0.3265

 19.6498, 0.2084,  
0.3205


 166.3241, 0.2594,  
0.3268

 12.1407, 0.1922,  
0.3175

 205.3347, 0.2629,  
0.3271

 6.8396, 0.1705,  
0.3126

250.0128, 0.2659,  
0.3273

 3.3620, 0.1401,  
0.3037

300.7427, 0.2687,

 1.3235, 0.0790,

0.3275

0.2906

357.9090, 0.2711,  
0.3277

■ 0.1593, 0.0000,  
0.1340

■ 0.0000, 0.0000,  
0.0000

■ 59.2684, 0.2386,  
0.3248

■ 59.2684, 0.2386,  
0.3248

■ 58.0430, 0.2319,  
0.3240

■ 60.8376, 0.2472,  
0.3256

■ 57.1234, 0.2272,  
0.3233


■ 62.7715, 0.2576,  
0.3263


■ 56.4743, 0.2242,  
0.3225


■ 65.0970, 0.2697,  
0.3270

■ 56.0324, 0.2228,  
0.3218

■ 67.8367, 0.2832,  
0.3277


 56.0223, 0.2227,  
0.3218

 71.0114, 0.2977,  
0.3284

 74.6406, 0.3131,  
0.3290

 78.7426, 0.3290,  
0.3296

 80.5079, 0.3347,  
0.3301

 80.7813, 0.3346,  
0.3306

# Harmonies

## Analogous

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



59.2684, 0.2700, 0.3718



59.2684, 0.2386, 0.3248



59.2684, 0.2264, 0.2838

# Triad

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



59.2684, 0.2386, 0.3248



59.2684, 0.3054, 0.2650



59.2684, 0.3948, 0.3962

# Complementary

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



59.2684, 0.2386, 0.3248



24.4488, 0.4971, 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.



59.2684, 0.4073, 0.3632



59.2684, 0.2386, 0.3248



59.2684, 0.3536, 0.2906

# Square

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



59.2684, 0.2386, 0.3248



59.2684, 0.2626, 0.2535



59.2684, 0.3921, 0.3254



59.2684, 0.3601, 0.4140

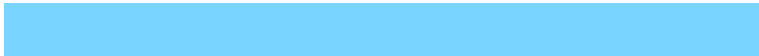


# Rectangle

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



59.2684, 0.2386, 0.3248



59.2684, 0.2298, 0.2654



59.2684, 0.3921, 0.3254



59.2684, 0.4019, 0.3863

# Sweetspot

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



59.2707, 0.2386, 0.3248



91.6515, 0.2855, 0.3279



56.2756, 0.3028, 0.5189



19.3680, 0.2813, 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.



59.2707, 0.2386, 0.3248



77.4824, 0.2304, 0.3238



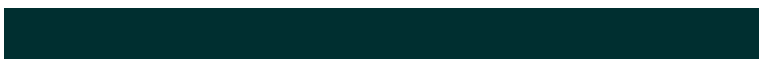
30.9571, 0.2172, 0.2288



15.5165, 0.2982, 0.3284



32.6314, 0.2228, 0.3219



2.2789, 0.2231, 0.3230



# Inverse Universe

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



28.4073, 0.3223, 0.1929



32.7738, 0.3241, 0.1744



41.4933, 0.4421, 0.4073



13.9300, 0.3141, 0.3064



12.2022, 0.3266, 0.1573



0.8475, 0.3257, 0.1568



# Previews

## White Background



This preview shows how the Yxy color 59.2684, 0.2386, 0.3248 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

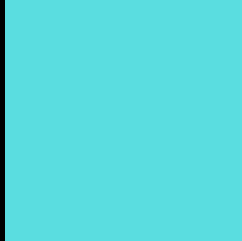
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.2684, 0.2386, 0.3248 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

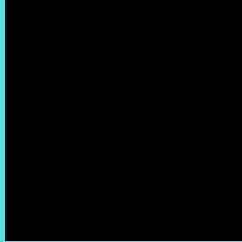
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.2684, 0.2386, 0.3248**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.2684, 0.2386, 0.3248.

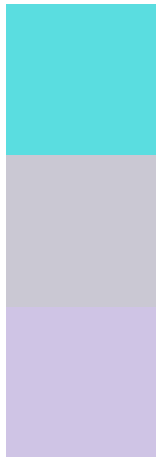


This preview shows how white text looks on a background with the Yxy color 59.2684, 0.2386, 0.3248.

# 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

59.2684, 0.2386, 0.3248

### Protanopia

58.5683, 0.3064, 0.3161

### Deuteranopia

58.4024, 0.2977, 0.2916



## Tritanopia

59.2643, 0.2344, 0.3057

# Trichromacy



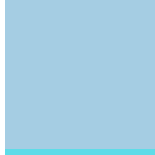
## Original Color

59.2684, 0.2386, 0.3248



## Protanomaly

57.6467, 0.2746, 0.3189



## Deuteranomaly

57.2080, 0.2703, 0.3020



## Tritanomaly

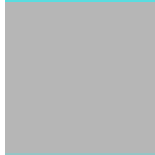
59.3923, 0.2361, 0.3132

# Monochromacy



## Original Color

59.2684, 0.2386, 0.3248



## Achromatopsia

46.7784, 0.3127, 0.3290



## Achromatomaly

49.9006, 0.2771, 0.3276

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.2684, 0.2386, 0.3248 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(90, 221, 224)` looks like.

```
.text, #text, p{  
    color:rgb(90, 221, 224)  
}
```

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(90, 221, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 221, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 59.2684, 0.2386, 0.3248 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(90, 221, 224) }
```

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

```
.border{ border-color:rgb(90, 221, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 221, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 221, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 221, 224);  
box-shadow:4px 4px 4px 4px rgb(90, 221,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.2684, 0.2386, 0.3248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 221, 224) }
```

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

```
.background{ background-color: rgb(90, 221,  
224) }
```

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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