

# Converting Colors

$Yxy(44.9170, 0.2369, 0.3058)$

Have a look what the booklet for  
Yxy(44.9170, 0.2369, 0.3058)  
contains.

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# Color

**Yxy(44.9170, 0.2369, 0.3058)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5AC1D1
RGB	90, 193, 209
RGB Percent	35%, 76%, 82%
CMY	0.6470, 0.2431, 0.1803
CMYK	0.57, 0.08, 0.00, 0.18
HSL	188°, 56%, 59%
HSV	188°, 57%, 82%
XYZ	34.7967, 44.9170, 67.1699
YIQ	164.0270, -66.5240, -16.8600

# Conversions

## Conversions Part 2

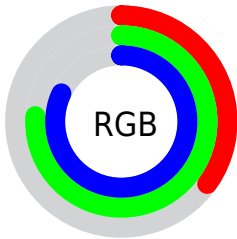
<b>Format</b>	<b>Color</b>
<b>RYB</b>	90, 145, 209
Decimal	5947857
CIELab	72.84, -25.23, -17.09
CIELCh	73, 30.474, 214.107
Yxy	44.9170, 0.2369, 0.3058
Android (android.graphics.Color)	4284137937 (0xFF5AC1D1)
YUV	164.0270, 22.1717, -64.9217
Hunter-Lab	67.0201, -24.6084, -12.5083

# Details

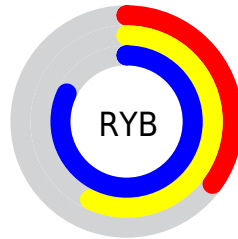
The Yxy color **44.9170, 0.2369, 0.3058** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **24.6092, 0.4718, 0.3487**, and the grayscale version is **37.0557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0752, 0.2552, 0.3232**, and **20.8705, 0.2165, 0.2967** is the 20% darker color. If you saturate the color by 10%, you get **42.7817, 0.2282, 0.3011**, and if you desaturate by 10%, it is **47.3740, 0.2474, 0.3104**.

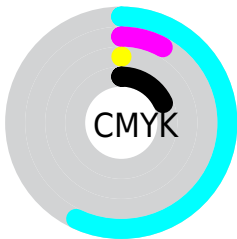
# Distribution



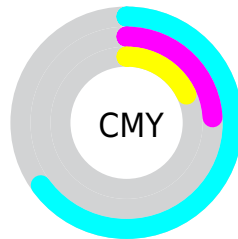
- Red (35%)
- Green (76%)
- Blue (82%)



- Red (35%)
- Yellow (57%)
- Blue (82%)



- Cyan (57%)
- Magenta (8%)
- Yellow (0%)
- Black (18%)




- Cyan (65%)
- Magenta (24%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9170, 0.2369, 0.3058 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 44.9170, 0.2369, 0.3058 by changing the saturation by 10% instead.




 44.9170, 0.2369,  
0.3058


 44.9170, 0.2369,  
0.3058


366.4373, 0.2739,  
0.3184

 31.3921, 0.2280,  
0.3024


 82.5958, 0.2501,  
0.3106

 20.8976, 0.2168,  
0.2978


 107.5185, 0.2551,  
0.3124

 13.0491, 0.2023,  
0.2915


 137.0093, 0.2594,  
0.3138

 7.4624, 0.1829,  
0.2822

 171.4524, 0.2631,  
0.3150

 3.7529, 0.1559,  
0.2677

211.2324, 0.2663,  
0.3161

 1.5363, 0.1161,  
0.2427

256.7336, 0.2692,

 0.3141, 0.0000,

0.3170

0.1593

308.3405, 0.2717,  
0.3178

0.0000, 0.0000,  
0.0000

44.9170, 0.2369,  
0.3058

44.9170, 0.2369,  
0.3058

42.7817, 0.2282,  
0.3011

47.3740, 0.2474,  
0.3104

40.9374, 0.2214,  
0.2963

50.1702, 0.2594,  
0.3149

39.3561, 0.2165,  
0.2916


53.3278, 0.2727,  
0.3191

37.9984, 0.2134,  
0.2869

56.8653, 0.2870,  
0.3230


37.6063, 0.2126,  
0.2855

60.8004, 0.3021,  
0.3267

 65.1490, 0.3175,  
0.3300

 69.9267, 0.3330,  
0.3330

 74.7244, 0.3467,  
0.3357

 76.1740, 0.3462,  
0.3385

# Harmonies

## Analogous

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



44.9170, 0.2577, 0.3475



44.9170, 0.2369, 0.3058



44.9170, 0.2349, 0.2748

# Triad

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



44.9170, 0.2369, 0.3058



44.9170, 0.3278, 0.2803



44.9170, 0.3745, 0.4008

# Complementary

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



44.9170, 0.2369, 0.3058



24.6092, 0.4718, 0.3487

# 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.



44.9170, 0.3965, 0.3766



44.9170, 0.2369, 0.3058



44.9170, 0.3691, 0.3088

# Square

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



44.9170, 0.2369, 0.3058



44.9170, 0.2848, 0.2629



44.9170, 0.3949, 0.3431



44.9170, 0.3365, 0.4060



# Rectangle

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



44.9170, 0.2369, 0.3058



44.9170, 0.2441, 0.2632



44.9170, 0.3949, 0.3431



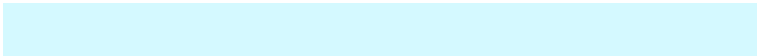
44.9170, 0.3841, 0.3943

# Sweetspot

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



44.9187, 0.2369, 0.3058



89.0187, 0.2867, 0.3229



48.8227, 0.2965, 0.4887



18.8025, 0.2837, 0.3221



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

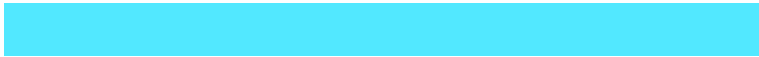


# Same Dimension

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



44.9187, 0.2369, 0.3058



66.5185, 0.2268, 0.3002



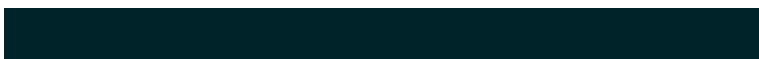
23.7299, 0.2169, 0.2127



13.1243, 0.2983, 0.3258



23.2876, 0.2128, 0.2861



1.3790, 0.2152, 0.2947



# Inverse Universe

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



24.7215, 0.3370, 0.2105



33.0414, 0.3432, 0.1930



41.3444, 0.4232, 0.4199



11.9805, 0.3158, 0.3091



10.4222, 0.3578, 0.1745

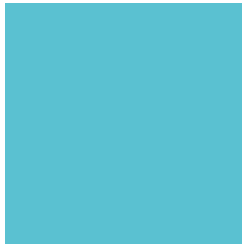


0.5905, 0.3501, 0.1702



# Previews

## White Background



This preview shows how the Yxy color 44.9170, 0.2369, 0.3058 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

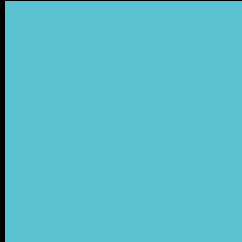
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.9170, 0.2369, 0.3058 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

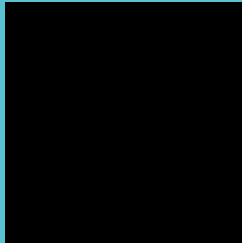
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.9170, 0.2369, 0.3058**

## Background



This preview shows how black text looks on a background with the Yxy color 44.9170, 0.2369, 0.3058.



This preview shows how white text looks on a background with the Yxy color 44.9170, 0.2369, 0.3058.

# 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

44.9170, 0.2369, 0.3058

### Protanopia

44.2418, 0.2946, 0.3003

### Deuteranopia

44.4233, 0.2851, 0.2797



## Tritanopia

44.9170, 0.2369, 0.3058

# Trichromacy



## Original Color

44.9170, 0.2369, 0.3058



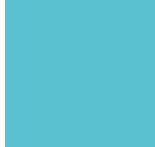
## Protanomaly

43.6495, 0.2686, 0.3015



## Deuteranomaly

43.8210, 0.2628, 0.2873



## Tritanomaly

44.9170, 0.2369, 0.3058

# Monochromacy



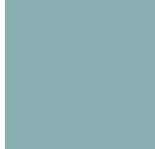
## Original Color

44.9170, 0.2369, 0.3058



## Achromatopsia

37.1238, 0.3127, 0.3290



## Achromatomaly

39.2736, 0.2774, 0.3216

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.9170, 0.2369, 0.3058 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, 193, 209)` looks like.

```
.text, #text, p{  
    color:rgb(90, 193, 209)  
}
```

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, 193, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 193, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 44.9170, 0.2369, 0.3058 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, 193, 209) }
```

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

```
.border{ border-color:rgb(90, 193, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 193, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 193, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 193, 209);  
box-shadow:4px 4px 4px 4px rgb(90, 193,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.9170, 0.2369, 0.3058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 193, 209) }
```

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

```
.background{ background-color: rgb(90, 193,  
209) }
```

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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