

# Converting Colors

$Yxy(44.4839, 0.2351, 0.3085)$

Have a look what the booklet for  
Yxy(44.4839, 0.2351, 0.3085)  
contains.

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# Color

**Yxy(44.4839, 0.2351, 0.3085)**

# Conversions

## Conversions Part 1

Format	Color
Hex	53C1CF
RGB	83, 193, 207
RGB Percent	33%, 76%, 81%
CMY	0.6743, 0.2431, 0.1884
CMYK	0.60, 0.07, 0.00, 0.19
HSL	187°, 56%, 57%
HSV	187°, 60%, 81%
XYZ	33.9000, 44.4839, 65.8102
YIQ	161.7060, -70.0540, -18.9660

# Conversions

## Conversions Part 2

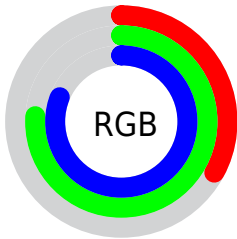
<b>Format</b>	<b>Color</b>
<b>RYB</b>	83, 141, 207
Decimal	5489103
CIELab	72.55, -27.10, -16.43
CIElCh	73, 31.686, 211.223
Yxy	44.4839, 0.2351, 0.3085
Android (android.graphics.Color)	4283679183 (0xFF53C1CF)
YUV	161.7060, 22.3299, -69.0252
Hunter-Lab	66.6963, -25.9913, -11.8150

# Details

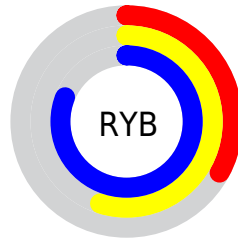
The Yxy color **44.4839, 0.2351, 0.3085** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.4409, 0.4866, 0.3459**, and the grayscale version is **35.9119, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5205, 0.2527, 0.3232**, and **20.7651, 0.2168, 0.3005** is the 20% darker color. If you saturate the color by 10%, you get **42.6563, 0.2273, 0.3046**, and if you desaturate by 10%, it is **46.6121, 0.2448, 0.3124**.

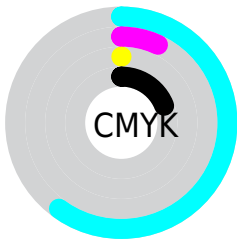
# Distribution



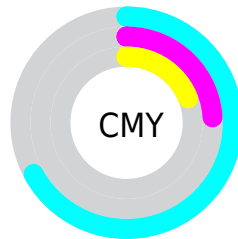
- Red (33%)
- Green (76%)
- Blue (81%)



- Red (33%)
- Yellow (55%)
- Blue (81%)



- Cyan (60%)
- Magenta (7%)
- Yellow (0%)
- Black (19%)




- Cyan (67%)
- Magenta (24%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.4839, 0.2351, 0.3085 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 44.4839, 0.2351, 0.3085 by changing the saturation by 10% instead.




 44.4839, 0.2351,  
0.3085

 44.4839, 0.2351,  
0.3085


364.6793, 0.2730,  
0.3199


 31.0511, 0.2260,  
0.3053


 81.9454, 0.2487,  
0.3129

 20.6378, 0.2145,  
0.3011

 106.7429, 0.2538,  
0.3145

 12.8595, 0.1996,  
0.2952


 136.0974, 0.2582,  
0.3158

 7.3319, 0.1796,  
0.2865

 170.3934, 0.2620,  
0.3168

 3.6705, 0.1519,  
0.2725

210.0152, 0.2653,  
0.3178

 1.4910, 0.1098,  
0.2484

255.3471, 0.2682,

 0.2824, 0.0000,

0.3186

0.1546

306.7737, 0.2708,  
0.3193

0.0000, 0.0000,  
0.0000

44.4839, 0.2351,  
0.3085

44.4839, 0.2351,  
0.3085

42.6563, 0.2273,  
0.3046

46.6121, 0.2448,  
0.3124

41.0984, 0.2213,  
0.3006

49.0586, 0.2562,  
0.3161

39.7811, 0.2173,  
0.2967

51.8456, 0.2689,  
0.3197

38.6487, 0.2147,  
0.2929

54.9917, 0.2829,  
0.3230

38.6342, 0.2147,  
0.2928

58.5141, 0.2976,  
0.3262

■ 62.4291, 0.3129,  
0.3290

■ 66.7516, 0.3285,  
0.3316

■ 71.4962, 0.3441,  
0.3340

■ 73.8560, 0.3485,  
0.3363

# Harmonies

## Analogous

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



44.4839, 0.2584, 0.3526



44.4839, 0.2351, 0.3085



44.4839, 0.2311, 0.2748

# Triad

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



44.4839, 0.2351, 0.3085



44.4839, 0.3239, 0.2761



44.4839, 0.3801, 0.4020

# Complementary

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



44.4839, 0.2351, 0.3085



22.4409, 0.4866, 0.3459

# 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.



44.4839, 0.4011, 0.3752



44.4839, 0.2351, 0.3085



44.4839, 0.3679, 0.3047

# Square

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



44.4839, 0.2351, 0.3085



44.4839, 0.2797, 0.2593



44.4839, 0.3969, 0.3400



44.4839, 0.3415, 0.4100



# Rectangle

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



44.4839, 0.2351, 0.3085



44.4839, 0.2395, 0.2617



44.4839, 0.3969, 0.3400



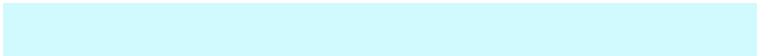
44.4839, 0.3895, 0.3946

# Sweetspot

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



44.4856, 0.2351, 0.3085



89.0529, 0.2852, 0.3236



47.2867, 0.2980, 0.5039



18.7236, 0.2810, 0.3226



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.



44.4856, 0.2351, 0.3085



67.5933, 0.2253, 0.3034



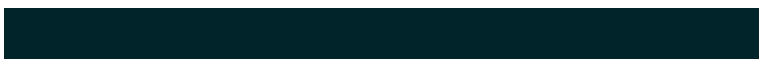
23.0173, 0.2137, 0.2123



13.1700, 0.2983, 0.3263



24.4372, 0.2148, 0.2934



1.4326, 0.2168, 0.3005



# Inverse Universe

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



23.3069, 0.3353, 0.2032



31.7755, 0.3410, 0.1855



38.1377, 0.4330, 0.4190



11.9851, 0.3155, 0.3086



10.5382, 0.3513, 0.1709

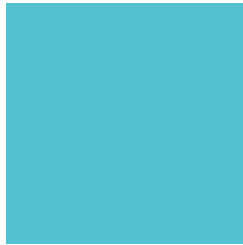


0.5959, 0.3450, 0.1674



# Previews

## White Background



This preview shows how the Yxy color 44.4839, 0.2351, 0.3085 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 44.4839, 0.2351, 0.3085 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 44.4839, 0.2351, 0.3085**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.4839, 0.2351, 0.3085.

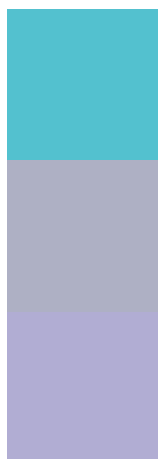


This preview shows how white text looks on a background with the Yxy color 44.4839, 0.2351, 0.3085.

# 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

44.4839, 0.2351, 0.3085

### Protanopia

44.0349, 0.2953, 0.3028

### Deuteranopia

43.9374, 0.2864, 0.2807



## Tritanopia

44.5788, 0.2350, 0.3071

# Trichromacy



## Original Color

44.4839, 0.2351, 0.3085



## Protanomaly

43.2887, 0.2678, 0.3040



## Deuteranomaly

43.1353, 0.2625, 0.2882



## Tritanomaly

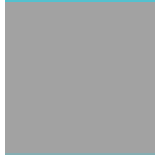
44.5788, 0.2350, 0.3071

# Monochromacy



## Original Color

44.4839, 0.2351, 0.3085



## Achromatopsia

36.1307, 0.3127, 0.3290



## Achromatomaly

38.0880, 0.2756, 0.3214

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.4839, 0.2351, 0.3085 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(83, 193, 207)` looks like.

```
.text, #text, p{  
    color:rgb(83, 193, 207)  
}
```

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(83, 193, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 193, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 44.4839, 0.2351, 0.3085 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(83, 193, 207) }
```

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

```
.border{ border-color:rgb(83, 193, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 193, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 193, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 193, 207);  
box-shadow:4px 4px 4px 4px rgb(83, 193,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.4839, 0.2351, 0.3085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 193, 207) }
```

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

```
.background{ background-color: rgb(83, 193,  
207) }
```

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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