

# Converting Colors

$Yxy(52.6559, 0.2198, 0.2875)$

Have a look what the booklet for  
Yxy(52.6559, 0.2198, 0.2875)  
contains.

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# Color

**Yxy(52.8529, 0.2198, 0.2876)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3CD1F0
RGB	60, 209, 240
RGB Percent	24%, 82%, 94%
CMY	0.7648, 0.1804, 0.0587
CMYK	0.75, 0.13, 0.00, 0.06
HSL	190°, 86%, 59%
HSV	190°, 75%, 94%
XYZ	40.3931, 52.8529, 90.5262
YIQ	167.9830, -98.7550, -21.9470

# Conversions

## Conversions Part 2

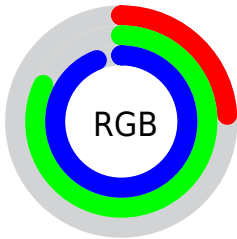
<b>Format</b>	<b>Color</b>
<b>RYB</b>	60, 142, 240
Decimal	3985904
CIELab	77.79, -28.34, -26.36
CIELCh	78, 38.704, 222.924
Yxy	52.8529, 0.2198, 0.2876
Android (android.graphics.Color)	4282175984 (0xFF3CD1F0)
YUV	167.9830, 35.5044, -94.7011
Hunter-Lab	72.7000, -28.0479, -22.9380

# Details

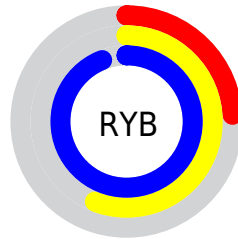
The Yxy color **52.8529, 0.2198, 0.2876** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **26.3375, 0.5469, 0.3556**, and the grayscale version is **39.0071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **26.5719, 0.2101, 0.2762** is the 20% darker color. If you saturate the color by 10%, you get **50.2664, 0.2141, 0.2813**, and if you desaturate by 10%, it is **55.8345, 0.2274, 0.2939**.

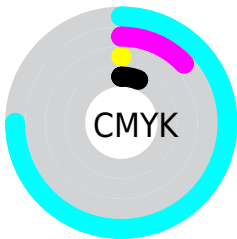
# Distribution



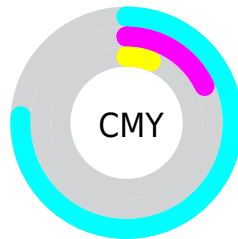
- Red (24%)
- Green (82%)
- Blue (94%)



- Red (24%)
- Yellow (56%)
- Blue (94%)



- Cyan (75%)
- Magenta (13%)
- Yellow (0%)
- Black (6%)




- Cyan (76%)
- Magenta (18%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.8529, 0.2198, 0.2876 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 52.8529, 0.2198, 0.2876 by changing the saturation by 10% instead.




 52.8529, 0.2198,  
0.2876


 52.8529, 0.2198,  
0.2876


397.7205, 0.2633,  
0.3090

 37.6854, 0.2099,  
0.2822


 94.3879, 0.2349,  
0.2955

 25.7386, 0.1977,  
0.2752


 121.5241, 0.2408,  
0.2984

 16.6282, 0.1824,  
0.2659


 153.4187, 0.2459,  
0.3009

 9.9697, 0.1628,  
0.2532

 190.4560, 0.2503,  
0.3030

 5.3789, 0.1370,  
0.2349

233.0204, 0.2541,  
0.3048

 2.4712, 0.1027,  
0.2069

281.4964, 0.2575,

 0.8622, 0.0248,

0.3064

0.1674

336.2683, 0.2606,  
0.3078

■ 0.0000, 0.0000,  
0.0000

■ 52.8529, 0.2198,  
0.2876

■ 52.8529, 0.2198,  
0.2876

■ 50.2664, 0.2141,  
0.2813

■ 55.8345, 0.2274,  
0.2939

■ 48.0189, 0.2103,  
0.2752

■ 59.2465, 0.2370,  
0.3000

■ 46.9868, 0.2089,  
0.2721

■ 63.1261, 0.2483,  
0.3060

■ 67.5045, 0.2610,  
0.3118

■ 72.4102, 0.2749,  
0.3172

■ 77.8693, 0.2897,  
0.3222

■ 83.9060, 0.3050,  
0.3268

■ 90.5429, 0.3205,  
0.3310

■ 93.5982, 0.3221,  
0.3350

# Harmonies

## Analogous

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



52.8529, 0.2376, 0.3354



52.8529, 0.2198, 0.2876



52.8529, 0.2241, 0.2569

# Triad

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



52.8529, 0.2198, 0.2876



52.8529, 0.3461, 0.2800



52.8529, 0.3740, 0.4199

# Complementary

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



52.8529, 0.2198, 0.2876



26.3375, 0.5469, 0.3556

# 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.



52.8529, 0.4079, 0.3949



52.8529, 0.2198, 0.2876



52.8529, 0.3924, 0.3159

# Square

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



52.8529, 0.2198, 0.2876



52.8529, 0.2933, 0.2553



52.8529, 0.4155, 0.3567



52.8529, 0.3252, 0.4189



# Rectangle

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



52.8529, 0.2198, 0.2876



52.8529, 0.2390, 0.2478



52.8529, 0.4155, 0.3567



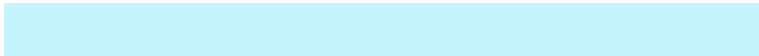
52.8529, 0.3876, 0.4138

# Sweetspot

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



52.8548, 0.2198, 0.2876



84.2442, 0.2777, 0.3182



64.0308, 0.2928, 0.5376



17.5702, 0.2725, 0.3163



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

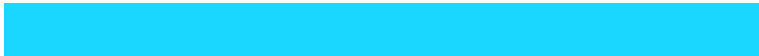


# Same Dimension

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



52.8548, 0.2198, 0.2876



56.2683, 0.2119, 0.2781



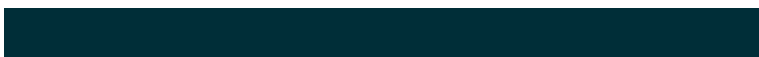
20.6846, 0.1868, 0.1589



17.4384, 0.2981, 0.3248



25.8899, 0.2092, 0.2731



2.2746, 0.2115, 0.2812



# Inverse Universe

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



26.3625, 0.3549, 0.1907



26.9068, 0.3649, 0.1821



51.5010, 0.4576, 0.4440



15.9819, 0.3164, 0.3097



12.4070, 0.3699, 0.1811

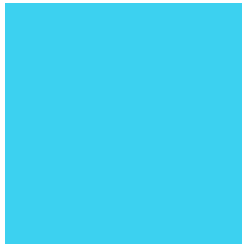


1.0443, 0.3623, 0.1770



# Previews

## White Background



This preview shows how the Yxy color 52.8529, 0.2198, 0.2876 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

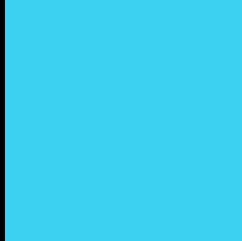
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.8529, 0.2198, 0.2876 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

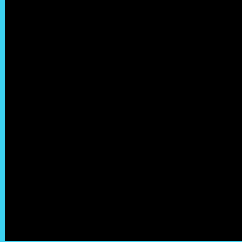
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.8529, 0.2198, 0.2876**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.8529, 0.2198, 0.2876.



This preview shows how white text looks on a background with the Yxy color 52.8529, 0.2198, 0.2876.

# 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

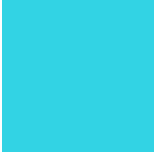
52.8529, 0.2198, 0.2876

### Protanopia

51.9535, 0.2817, 0.2844

### Deuteranopia

51.9570, 0.2681, 0.2613



## **Tritanopia**

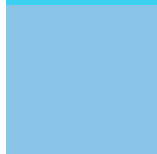
52.8681, 0.2231, 0.3055

# Trichromacy



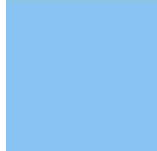
## Original Color

52.8529, 0.2198, 0.2876



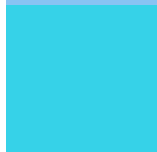
## Protanomaly

50.6527, 0.2504, 0.2841



## Deuteranomaly

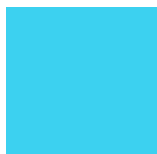
50.8196, 0.2434, 0.2689



## Tritanomaly

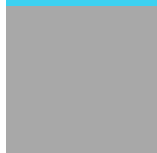
52.7037, 0.2220, 0.2990

# Monochromacy



## Original Color

52.8529, 0.2198, 0.2876



## Achromatopsia

39.1572, 0.3127, 0.3290



## Achromatomaly

42.4291, 0.2636, 0.3131

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.8529, 0.2198, 0.2876 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(60, 209, 240)` looks like.

```
.text, #text, p{  
    color:rgb(60, 209, 240)  
}
```

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(60, 209, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 209, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 52.8529, 0.2198, 0.2876 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(60, 209, 240) }
```

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

```
.border{ border-color:rgb(60, 209, 240) }
```

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

Here you see how a box with a 4 pixel rgb(60, 209, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 209, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 209, 240);  
box-shadow:4px 4px 4px 4px rgb(60, 209,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.8529, 0.2198, 0.2876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 209, 240) }
```

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

```
.background{ background-color: rgb(60, 209,  
240) }
```

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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