

# Converting Colors

$Yxy(50.6184, 0.2199, 0.2817)$

Have a look what the booklet for  
Yxy(50.6184, 0.2199, 0.2817)  
contains.

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# Color

**Yxy(50.6110, 0.2201, 0.2820)**

# Conversions

## Conversions Part 1

Format	Color
Hex	43CCEF
RGB	67, 204, 239
RGB Percent	26%, 80%, 94%
CMY	0.7362, 0.2001, 0.0627
CMYK	0.72, 0.15, 0.00, 0.06
HSL	192°, 84%, 60%
HSV	192°, 72%, 94%
XYZ	39.5017, 50.6110, 89.3589
YIQ	167.0270, -92.8870, -18.1590

# Conversions

## Conversions Part 2

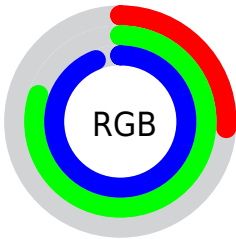
Format	Color
<b>RYB</b>	67, 143, 239
Decimal	4443375
CIELab	76.44, -25.33, -27.87
CIELCh	76, 37.657, 227.732
Yxy	50.6110, 0.2201, 0.2820
Android (android.graphics.Color)	4282633455 (0xFF43CCEF)
YUV	167.0270, 35.4827, -87.7237
Hunter-Lab	71.1414, -25.3842, -24.6737

# Details

The Yxy color **50.6110, 0.2201, 0.2820** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **28.3213, 0.5284, 0.3614**, and the grayscale version is **38.5500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9742, 0.2505, 0.3288**, and **25.2316, 0.2084, 0.2703** is the 20% darker color. If you saturate the color by 10%, you get **47.6507, 0.2134, 0.2745**, and if you desaturate by 10%, it is **53.9963, 0.2288, 0.2895**.

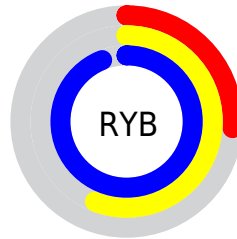
# Distribution



Red (26%)

Green (80%)

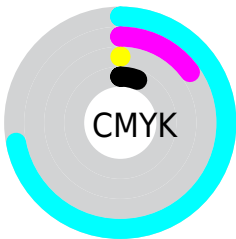
Blue (94%)



Red (26%)

Yellow (56%)

Blue (94%)

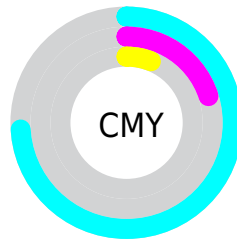


Cyan (72%)

Magenta (15%)

Yellow (0%)

Black (6%)



Cyan (74%)

Magenta (20%)


Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.6110, 0.2201, 0.2820 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 50.6110, 0.2201, 0.2820 by changing the saturation by 10% instead.





 50.6110, 0.2201,  
0.2820

 50.6110, 0.2201,  
0.2820


389.0505, 0.2638,  
0.3062

 35.8991, 0.2101,  
0.2759


 91.0795, 0.2353,  
0.2909


 24.3563, 0.1977,  
0.2681


 117.6049, 0.2412,  
0.2942

 15.5981, 0.1822,  
0.2578


 148.8370, 0.2463,  
0.2970

 9.2402, 0.1622,  
0.2437

 185.1600, 0.2507,  
0.2993

 4.8982, 0.1358,  
0.2235

226.9586, 0.2546,  
0.3014

 2.1877, 0.1007,  
0.1929

274.6169, 0.2580,

 0.7133, 0.0125,

0.3032

0.1490

328.5194, 0.2611,  
0.3048

0.0000, 0.0000,  
0.0000

50.6110, 0.2201,  
0.2820

50.6110, 0.2201,  
0.2820

47.6507, 0.2134,  
0.2745

53.9963, 0.2288,  
0.2895

45.0632, 0.2086,  
0.2670


57.8398, 0.2394,  
0.2968


43.1747, 0.2058,  
0.2610

62.1772, 0.2515,  
0.3039

67.0387, 0.2649,  
0.3106

72.4519, 0.2793,  
0.3169

 78.4422, 0.2944,  
0.3228

 85.0334, 0.3098,  
0.3281

 91.5838, 0.3230,  
0.3329

 94.5403, 0.3226,  
0.3376

# Harmonies

## Analogous

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



50.6110, 0.2343, 0.3271



50.6110, 0.2201, 0.2820



50.6110, 0.2279, 0.2548

# Triad

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



50.6110, 0.2201, 0.2820



50.6110, 0.3540, 0.2857



50.6110, 0.3662, 0.4206

# Complementary

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



50.6110, 0.2201, 0.2820



28.3213, 0.5284, 0.3614

# 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.



50.6110, 0.4029, 0.3993



50.6110, 0.2201, 0.2820



50.6110, 0.3969, 0.3225

# Square

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



50.6110, 0.2201, 0.2820



50.6110, 0.3017, 0.2591



50.6110, 0.4150, 0.3629



50.6110, 0.3170, 0.4145



# Rectangle

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



50.6110, 0.2201, 0.2820



50.6110, 0.2447, 0.2479



50.6110, 0.4150, 0.3629



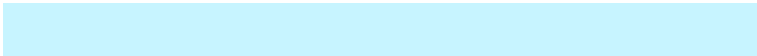
50.6110, 0.3805, 0.4160

# Sweetspot

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



50.6128, 0.2201, 0.2820



83.7840, 0.2790, 0.3168



63.8957, 0.2907, 0.5220



17.5549, 0.2750, 0.3151



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

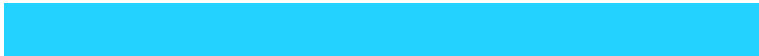


# Same Dimension

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



50.6128, 0.2201, 0.2820



53.8169, 0.2110, 0.2711



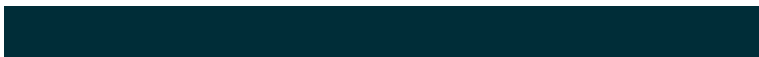
20.5776, 0.1892, 0.1590



17.3494, 0.2981, 0.3241



24.0488, 0.2062, 0.2622



2.1373, 0.2089, 0.2719



# Inverse Universe

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



26.7571, 0.3594, 0.1982



27.1703, 0.3710, 0.1883



54.5095, 0.4467, 0.4468



15.9729, 0.3169, 0.3104



12.2211, 0.3803, 0.1869

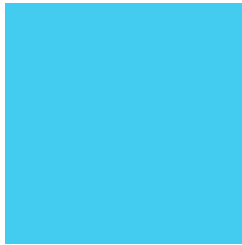


1.0305, 0.3710, 0.1817



# Previews

## White Background



This preview shows how the Yxy color 50.6110, 0.2201, 0.2820 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

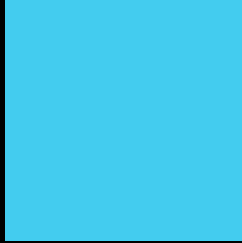
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.6110, 0.2201, 0.2820 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

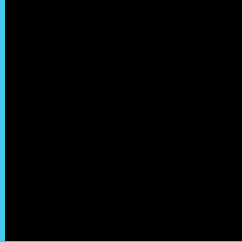
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.6110, 0.2201, 0.2820**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.6110, 0.2201, 0.2820.

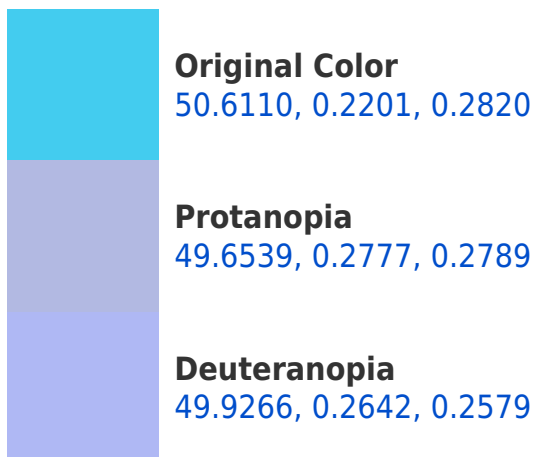


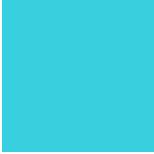
This preview shows how white text looks on a background with the Yxy color 50.6110, 0.2201, 0.2820.

# 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





## **Tritanopia**

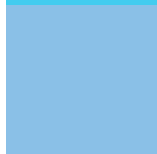
50.7941, 0.2249, 0.3065

# Trichromacy



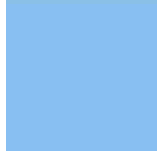
## Original Color

50.6110, 0.2201, 0.2820



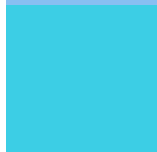
## Protanomaly

48.8721, 0.2495, 0.2787



## Deuteranomaly

48.9066, 0.2425, 0.2646



## Tritanomaly

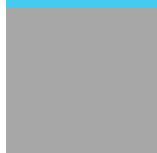
50.7604, 0.2230, 0.2973

# Monochromacy



## Original Color

50.6110, 0.2201, 0.2820



## Achromatopsia

38.6429, 0.3127, 0.3290



## Achromatomaly

41.3181, 0.2651, 0.3102

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.6110, 0.2201, 0.2820 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(67, 204, 239)` looks like.

```
.text, #text, p{  
  color:rgb(67, 204, 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(67, 204, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 204, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 50.6110, 0.2201, 0.2820 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(67, 204, 239) }
```

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

```
.border{ border-color:rgb(67, 204, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 204, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 204, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 204, 239);  
box-shadow:4px 4px 4px 4px rgb(67, 204,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.6110, 0.2201, 0.2820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 204, 239) }
```

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

```
.background{ background-color: rgb(67, 204,  
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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