

# Converting Colors

$Yxy(53.5728, 0.2200, 0.2675)$

Have a look what the booklet for  
Yxy(53.5728, 0.2200, 0.2675)  
contains.

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# Color

**Yxy(53.8241, 0.2202, 0.2682)**

# Conversions

## Conversions Part 1

Format	Color
Hex	56CFFF
RGB	86, 207, 255
RGB Percent	34%, 81%, 100%
CMY	0.6633, 0.1882, 0.0000
CMYK	0.66, 0.19, 0.00, 0.00
HSL	197°, 100%, 67%
HSV	197°, 66%, 100%
XYZ	44.1912, 53.8241, 102.6712
YIQ	176.2930, -87.5240, -10.7240

# Conversions

## Conversions Part 2

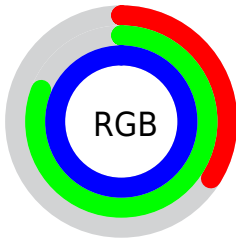
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	86, 157, 255
Decimal	5689343
CIE Lab	78.36, -19.37, -33.43
CIE LCh	78, 38.640, 239.913
Yxy	53.8241, 0.2202, 0.2682
Android (android.graphics.Color)	4283879423 (0xFF56CFFF)
YUV	176.2930, 38.8026, -79.1870
Hunter-Lab	73.3649, -20.8696, -31.6185

# Details

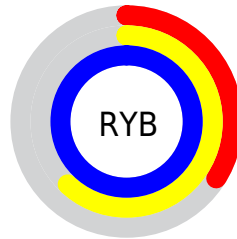
The Yxy color **53.8241, 0.2202, 0.2682** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **38.9378, 0.4947, 0.3746**, and the grayscale version is **43.3874, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4154, 0.2570, 0.3288**, and **26.8597, 0.2038, 0.2536** is the 20% darker color. If you saturate the color by 10%, you get **49.3998, 0.2112, 0.2574**, and if you desaturate by 10%, it is **58.8434, 0.2311, 0.2789**.

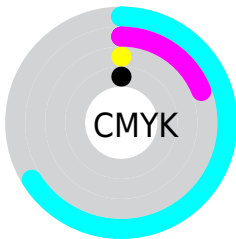
# Distribution



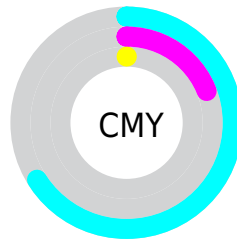
- Red (34%)
- Green (81%)
- Blue (100%)



- Red (34%)
- Yellow (62%)
- Blue (100%)



- Cyan (66%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)




- Cyan (66%)
- Magenta (19%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.8241, 0.2202, 0.2682 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 53.8241, 0.2202, 0.2682 by changing the saturation by 10% instead.




 53.8241, 0.2202,  
0.2682

 53.8241, 0.2202,  
0.2682


401.4389, 0.2633,  
0.2983


 38.4611, 0.2105,  
0.2610


 95.8159, 0.2351,  
0.2790


 26.3407, 0.1986,  
0.2519


 123.2135, 0.2409,  
0.2831

 17.0787, 0.1837,  
0.2401

 155.3914, 0.2459,  
0.2865

 10.2906, 0.1648,  
0.2246

 192.7339, 0.2503,  
0.2896

 5.5921, 0.1402,  
0.2032

235.6255, 0.2541,  
0.2922

 2.5987, 0.1077,  
0.1726

284.4507, 0.2575,

 0.9260, 0.0567,

0.2945

0.1291

339.5936, 0.2606,  
0.2965

0.0000, 0.0000,  
0.0000

53.8241, 0.2202,  
0.2682

53.8241, 0.2202,  
0.2682

49.3998, 0.2112,  
0.2574

58.8434, 0.2311,  
0.2789

45.5154, 0.2042,  
0.2465

64.4964, 0.2436,  
0.2892

42.1098, 0.1993,  
0.2358

70.8231, 0.2574,  
0.2990

40.9457, 0.1978,  
0.2319

77.8584, 0.2721,  
0.3082

85.6344, 0.2874,  
0.3167

■ 94.1811, 0.3029,  
0.3245

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



53.8241, 0.2254, 0.3070



53.8241, 0.2202, 0.2682



53.8241, 0.2367, 0.2492

# Triad

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



53.8241, 0.2202, 0.2682



53.8241, 0.3739, 0.2996



53.8241, 0.3471, 0.4225

# Complementary

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



53.8241, 0.2202, 0.2682



38.9378, 0.4947, 0.3746

# 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.



53.8241, 0.3907, 0.4109



53.8241, 0.2202, 0.2682



53.8241, 0.4084, 0.3389

# Square

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



53.8241, 0.2202, 0.2682



53.8241, 0.3229, 0.2681



53.8241, 0.4141, 0.3789



53.8241, 0.2964, 0.4034



# Rectangle

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



53.8241, 0.2202, 0.2682



53.8241, 0.2589, 0.2476



53.8241, 0.4141, 0.3789



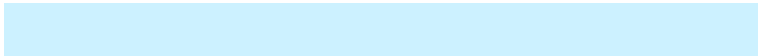
53.8241, 0.3632, 0.4217

# Sweetspot

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



53.8257, 0.2202, 0.2682



82.6909, 0.2817, 0.3137



75.2073, 0.2853, 0.4891



17.2318, 0.2774, 0.3113



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.



53.8257, 0.2202, 0.2682



47.9134, 0.2084, 0.2534



23.2367, 0.1930, 0.1552



19.5592, 0.2980, 0.3221



21.6619, 0.1983, 0.2337



2.2952, 0.2016, 0.2459



# Inverse Universe

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



32.3997, 0.3707, 0.2152



27.6646, 0.3871, 0.2039



72.2563, 0.4269, 0.4531



18.2073, 0.3182, 0.3121



12.9147, 0.4088, 0.2025

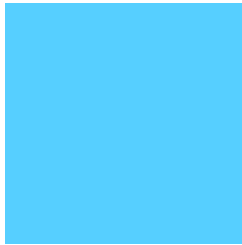


1.2762, 0.3963, 0.1957



# Previews

## White Background



This preview shows how the Yxy color 53.8241, 0.2202, 0.2682 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

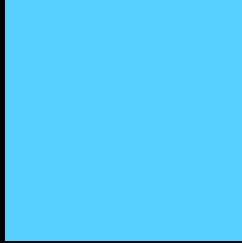
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.8241, 0.2202, 0.2682 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

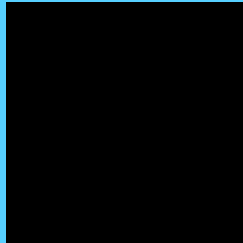
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

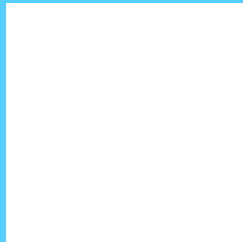
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.8241, 0.2202, 0.2682**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.8241, 0.2202, 0.2682.

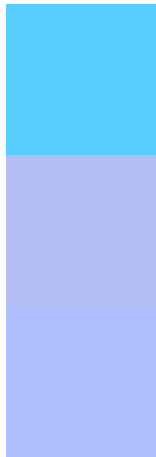


This preview shows how white text looks on a background with the Yxy color 53.8241, 0.2202, 0.2682.

# 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

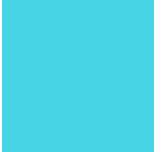
53.8241, 0.2202, 0.2682

### Protanopia

52.8817, 0.2682, 0.2667

### Deuteranopia

53.1609, 0.2587, 0.2540



## **Tritanopia**

54.0837, 0.2278, 0.3059

# Trichromacy



**Original Color**

53.8241, 0.2202, 0.2682

**Protanomaly**

52.2150, 0.2460, 0.2665

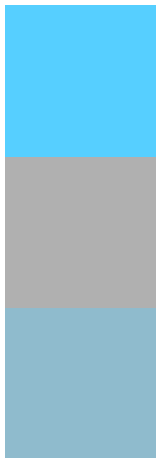
**Deuteranomaly**

52.5395, 0.2410, 0.2578

**Tritanomaly**

53.8027, 0.2249, 0.2918

# Monochromacy



**Original Color**

53.8241, 0.2202, 0.2682

**Achromatopsia**

43.4154, 0.3127, 0.3290

**Achromatomaly**

45.7881, 0.2668, 0.3045

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.8241, 0.2202, 0.2682 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(86, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(86, 207, 255)  
}
```

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(86, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 207, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 53.8241, 0.2202, 0.2682 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(86, 207, 255) }
```

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

```
.border{ border-color:rgb(86, 207, 255) }
```

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

Here you see how a box with a 4 pixel rgb(86, 207, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(86, 207,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.8241, 0.2202, 0.2682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 207, 255) }
```

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

```
.background{ background-color: rgb(86, 207,  
255) }
```

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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