

# Converting Colors

$Yxy(53.4793, 0.2235, 0.2661)$

Have a look what the booklet for  
Yxy(53.4793, 0.2235, 0.2661)  
contains.

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# Color

**Yxy(53.4793, 0.2235, 0.2661)**

# Conversions

## Conversions Part 1

Format	Color
Hex	62CDFF
RGB	98, 205, 255
RGB Percent	38%, 80%, 100%
CMY	0.6158, 0.1961, 0.0000
CMYK	0.62, 0.20, 0.00, 0.00
HSL	199°, 100%, 69%
HSV	199°, 62%, 100%
XYZ	44.9178, 53.4793, 102.5774
YIQ	178.7070, -79.8220, -7.1340

# Conversions

## Conversions Part 2

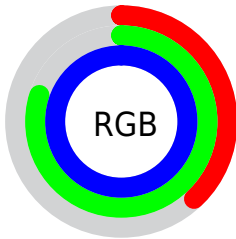
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	98, 162, 255
Decimal	6475263
CIE Lab	78.16, -16.39, -33.72
CIE LCh	78, 37.494, 244.080
Yxy	53.4793, 0.2235, 0.2661
Android (android.graphics.Color)	4284665343 (0xFF62CDFF)
YUV	178.7070, 37.6124, -70.7800
Hunter-Lab	73.1295, -18.3380, -31.9742

# Details

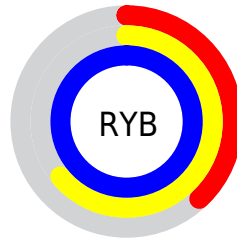
The Yxy color **53.4793, 0.2235, 0.2661** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **43.3117, 0.4723, 0.3786**, and the grayscale version is **44.7402, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3171, 0.2610, 0.3288**, and **26.2104, 0.2028, 0.2500** is the 20% darker color. If you saturate the color by 10%, you get **48.4966, 0.2131, 0.2539**, and if you desaturate by 10%, it is **59.1167, 0.2357, 0.2781**.

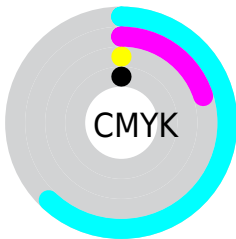
# Distribution



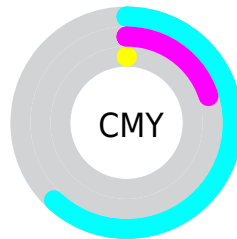
- Red (38%)
- Green (80%)
- Blue (100%)



- Red (38%)
- Yellow (64%)
- Blue (100%)



- Cyan (62%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)




- Cyan (62%)
- Magenta (20%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.4793, 0.2235, 0.2661 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 53.4793, 0.2235, 0.2661 by changing the saturation by 10% instead.




 53.4793, 0.2235,  
0.2661

 53.4793, 0.2235,  
0.2661


400.1213, 0.2652,  
0.2970


 38.1855, 0.2140,  
0.2587


 95.3093, 0.2379,  
0.2771

 26.1267, 0.2024,  
0.2494


 122.6143, 0.2436,  
0.2813

 16.9185, 0.1879,  
0.2375


 154.6918, 0.2484,  
0.2849

 10.1764, 0.1694,  
0.2217

191.9263, 0.2527,  
0.2880

 5.5161, 0.1452,  
0.2001

234.7021, 0.2564,  
0.2907

 2.5531, 0.1130,  
0.1694

283.4036, 0.2596,

 0.9032, 0.0637,

0.2931

0.1256

338.4152, 0.2626,  
0.2952

0.0000, 0.0000,  
0.0000

53.4793, 0.2235,  
0.2661

53.4793, 0.2235,  
0.2661

48.4966, 0.2131,  
0.2539

59.1167, 0.2357,  
0.2781

44.1186, 0.2046,  
0.2416

65.4482, 0.2493,  
0.2895

40.2893, 0.1982,  
0.2294

72.5121, 0.2639,  
0.3003

37.4189, 0.1943,  
0.2193

80.3427, 0.2792,  
0.3103

88.9719, 0.2947,  
0.3195

98.4294, 0.3103,  
0.3278

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

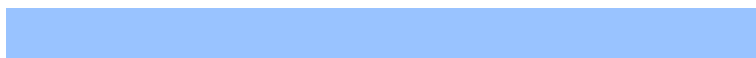
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.4793, 0.2257, 0.3015



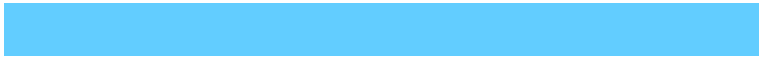
53.4793, 0.2235, 0.2661



53.4793, 0.2425, 0.2502

# Triad

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



53.4793, 0.2235, 0.2661



53.4793, 0.3782, 0.3054



53.4793, 0.3396, 0.4191

# Complementary

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



53.4793, 0.2235, 0.2661



43.3117, 0.4723, 0.3786

# 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.



53.4793, 0.3838, 0.4118



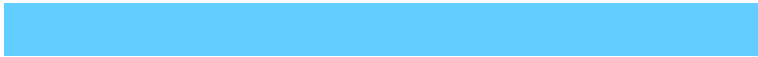
53.4793, 0.2235, 0.2661



53.4793, 0.4083, 0.3443

# Square

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



53.4793, 0.2235, 0.2661



53.4793, 0.3299, 0.2732



53.4793, 0.4098, 0.3829



53.4793, 0.2903, 0.3962



# Rectangle

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



53.4793, 0.2235, 0.2661



53.4793, 0.2658, 0.2503



53.4793, 0.4098, 0.3829



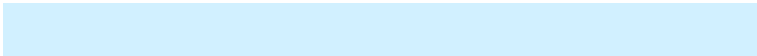
53.4793, 0.3556, 0.4198

# Sweetspot

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



53.4800, 0.2235, 0.2661



83.3375, 0.2847, 0.3137



76.2438, 0.2837, 0.4691



17.3148, 0.2802, 0.3109



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.



53.4800, 0.2235, 0.2661



47.3830, 0.2108, 0.2509



24.9326, 0.1998, 0.1626



19.4488, 0.2980, 0.3213



19.8332, 0.1948, 0.2213



2.1282, 0.1986, 0.2350



# Inverse Universe

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



34.3985, 0.3715, 0.2257



29.1281, 0.3884, 0.2133



76.6494, 0.4160, 0.4510



18.1962, 0.3187, 0.3129



12.7301, 0.4219, 0.2098

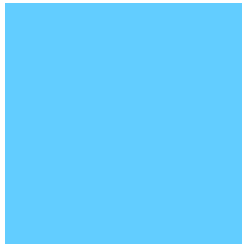


1.2594, 0.4074, 0.2018



# Previews

## White Background



This preview shows how the Yxy color 53.4793, 0.2235, 0.2661 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

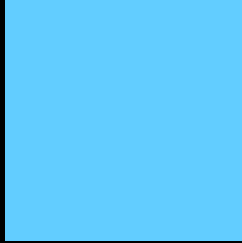
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.4793, 0.2235, 0.2661 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

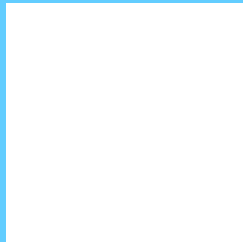
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.4793, 0.2235, 0.2661**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.4793, 0.2235, 0.2661.



This preview shows how white text looks on a background with the Yxy color 53.4793, 0.2235, 0.2661.

# 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

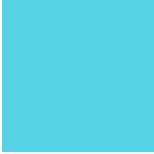
53.4793, 0.2235, 0.2661

### Protanopia

52.8235, 0.2670, 0.2656

### Deuteranopia

52.7292, 0.2585, 0.2528



## **Tritanopia**

53.5705, 0.2322, 0.3059

# Trichromacy



## Original Color

53.4793, 0.2235, 0.2661

## Protanomaly

52.1971, 0.2475, 0.2645

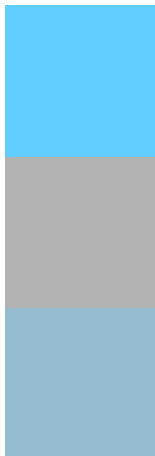
## Deuteranomaly

52.4533, 0.2429, 0.2569

## Tritanomaly

53.3998, 0.2290, 0.2907

# Monochromacy



## Original Color

53.4793, 0.2235, 0.2661

## Achromatopsia

45.0786, 0.3127, 0.3290

## Achromatomaly

46.9555, 0.2704, 0.3036

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.4793, 0.2235, 0.2661 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(98, 205, 255)` looks like.

```
.text, #text, p{  
  color:rgb(98, 205, 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(98, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 205, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 53.4793, 0.2235, 0.2661 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(98, 205, 255) }
```

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

```
.border{ border-color:rgb(98, 205, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(98, 205,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.4793, 0.2235, 0.2661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 205, 255) }
```

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

```
.background{ background-color: rgb(98, 205,  
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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