

# Converting Colors

$Y_{xy}(53.2599, 0.2230, 0.2656)$

Have a look what the booklet for  
Yxy(53.2599, 0.2230, 0.2656)  
contains.

<b>Yxy(53.4240, 0.2232, 0.2661)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(53.4240, 0.2232, 0.2661)**

# Conversions

## Conversions Part 1

Format	Color
Hex	61CDFF
RGB	97, 205, 255
RGB Percent	38%, 80%, 100%
CMY	0.6194, 0.1961, 0.0001
CMYK	0.62, 0.20, 0.00, 0.00
HSL	199°, 100%, 69%
HSV	199°, 62%, 100%
XYZ	44.8111, 53.4240, 102.5315
YIQ	178.4080, -80.4180, -7.3460

# Conversions

## Conversions Part 2

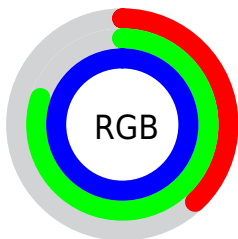
Format	Color
R <sub>Y</sub> B	97, 161, 255
Decimal	6409727
CIE Lab	78.12, -16.56, -33.75
CIE LCh	78, 37.592, 243.867
Yxy	53.4240, 0.2232, 0.2661
Android (android.graphics.Color)	4284599807 (0xFF61CDFF)
YUV	178.4080, 37.7599, -71.3948
Hunter-Lab	73.0917, -18.4756, -32.0065

# Details

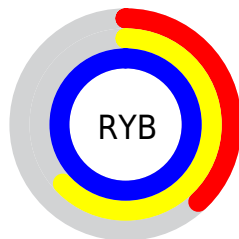
The Yxy color **53.4240, 0.2232, 0.2661** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **42.9949, 0.4738, 0.3784**, and the grayscale version is **44.5843, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2136, 0.2605, 0.3288**, and **26.2104, 0.2028, 0.2500** is the 20% darker color. If you saturate the color by 10%, you get **48.4811, 0.2128, 0.2539**, and if you desaturate by 10%, it is **59.0198, 0.2353, 0.2780**.

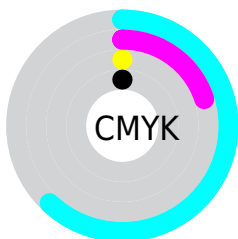
# Distribution



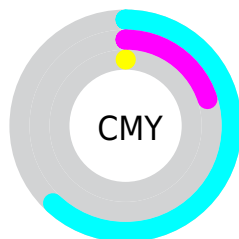
- Red (38%)
- Green (80%)
- Blue (100%)



- Red (38%)
- Yellow (63%)
- 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 53.4240, 0.2232, 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 53.4240, 0.2232, 0.2661 by changing the saturation by 10% instead.



■ 53.4240, 0.2232,  
0.2661

■ 53.4240, 0.2232,  
0.2661

■ 399.9097, 0.2650,  
0.2970

■ 38.1414, 0.2137,  
0.2587

■ 95.2280, 0.2377,  
0.2771

■ 26.0924, 0.2021,  
0.2494

■ 122.5181, 0.2433,  
0.2813

■ 16.8928, 0.1875,  
0.2375

■ 154.5795, 0.2482,  
0.2849

■ 10.1581, 0.1689,  
0.2217

■ 191.7966, 0.2524,  
0.2880

■ 5.5039, 0.1447,  
0.2000

■ 234.5538, 0.2562,  
0.2907

■ 2.5458, 0.1125,  
0.1693

■ 283.2355, 0.2595,

■ 0.8995, 0.0628,

0.2931

0.1254

338.2260, 0.2624,  
0.2952

0.0000, 0.0000,  
0.0000

53.4240, 0.2232,  
0.2661

53.4240, 0.2232,  
0.2661

48.4811, 0.2128,  
0.2539

59.0198, 0.2353,  
0.2780

44.1374, 0.2045,  
0.2417

65.3046, 0.2488,  
0.2894

40.3378, 0.1982,  
0.2296

72.3178, 0.2634,  
0.3001

37.6014, 0.1945,  
0.2200

80.0939, 0.2786,  
0.3101

88.6647, 0.2942,  
0.3192

98.0599, 0.3097,  
0.3275

99.9981, 0.3127,  
0.3290

# Harmonies

## Analogous

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



53.4240, 0.2255, 0.3017



53.4240, 0.2232, 0.2661



53.4240, 0.2421, 0.2500

# Triad

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



53.4240, 0.2232, 0.2661



53.4240, 0.3781, 0.3051



53.4240, 0.3400, 0.4194

# Complementary

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



53.4240, 0.2232, 0.2661



42.9949, 0.4738, 0.3784

# 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.



53.4240, 0.3842, 0.4119



53.4240, 0.2232, 0.2661



53.4240, 0.4085, 0.3441

# Square

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



53.4240, 0.2232, 0.2661



53.4240, 0.3296, 0.2728



53.4240, 0.4102, 0.3828



53.4240, 0.2906, 0.3967



# Rectangle

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



53.4240, 0.2232, 0.2661



53.4240, 0.2654, 0.2501



53.4240, 0.4102, 0.3828



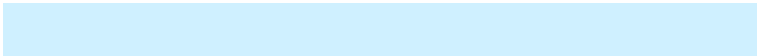
53.4240, 0.3560, 0.4201

# Sweetspot

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



53.4259, 0.2232, 0.2661



82.5459, 0.2832, 0.3128



76.0725, 0.2848, 0.4735



17.1606, 0.2787, 0.3101



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.



53.4259, 0.2232, 0.2661



47.5481, 0.2110, 0.2514



25.3691, 0.1999, 0.1647



19.4550, 0.2980, 0.3213



19.9331, 0.1950, 0.2220



2.1373, 0.1988, 0.2356



# Inverse Universe

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



34.2226, 0.3716, 0.2249



29.1448, 0.3879, 0.2130



75.1014, 0.4182, 0.4494



18.1968, 0.3187, 0.3129



12.7402, 0.4211, 0.2094

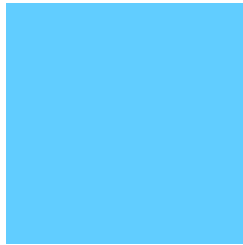


1.2603, 0.4068, 0.2015



# Previews

## White Background



This preview shows how the Yxy color 53.4240, 0.2232, 0.2661 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

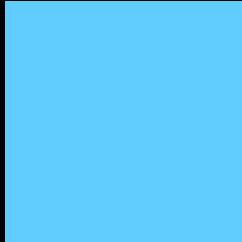
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.4240, 0.2232, 0.2661 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

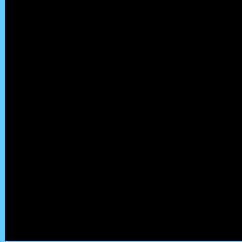
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

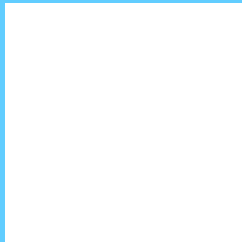
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.4240, 0.2232, 0.2661**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.4240, 0.2232, 0.2661.



This preview shows how white text looks on a background with the Yxy color 53.4240, 0.2232, 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

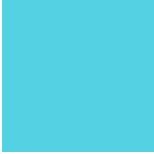
53.4240, 0.2232, 0.2661

### Protanopia

52.8235, 0.2670, 0.2656

### Deuteranopia

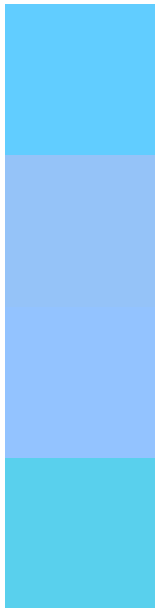
52.7292, 0.2585, 0.2528



## **Tritanopia**

53.5241, 0.2319, 0.3059

# Trichromacy



**Original Color**

53.4240, 0.2232, 0.2661

**Protanomaly**

52.1971, 0.2475, 0.2645

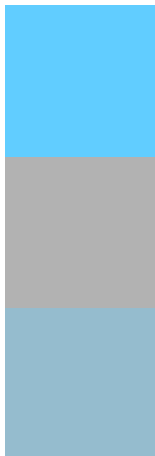
**Deuteranomaly**

52.4533, 0.2429, 0.2569

**Tritanomaly**

53.3500, 0.2287, 0.2907

# Monochromacy



**Original Color**

53.4240, 0.2232, 0.2661

**Achromatopsia**

44.5201, 0.3127, 0.3290

**Achromatomaly**

46.8122, 0.2704, 0.3048

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.4240, 0.2232, 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(97, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(97, 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(97, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 205, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 53.4240, 0.2232, 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(97, 205, 255) }
```

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

```
.border{ border-color:rgb(97, 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(97, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(97, 205,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.4240, 0.2232, 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(97, 205, 255) }
```

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

```
.background{ background-color: rgb(97, 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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