

# Converting Colors

$Yxy(53.8784, 0.2344, 0.2701)$

Have a look what the booklet for  
Yxy(53.8784, 0.2344, 0.2701)  
contains.

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# Color

**Yxy(53.8145, 0.2342, 0.2693)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7ACBFB
RGB	122, 203, 251
RGB Percent	48%, 80%, 98%
CMY	0.5215, 0.2039, 0.0155
CMYK	0.51, 0.19, 0.00, 0.02
HSL	202°, 94%, 73%
HSV	202°, 51%, 98%
XYZ	46.8004, 53.8145, 99.2161
YIQ	184.2530, -63.6840, -2.2440

# Conversions

## Conversions Part 2

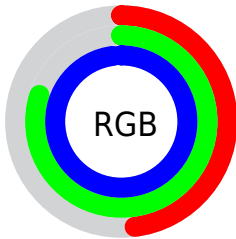
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	122, 172, 251
Decimal	8047611
CIE Lab	78.35, -11.87, -31.22
CIE LCh	78, 33.398, 249.184
Yxy	53.8145, 0.2342, 0.2693
Android (android.graphics.Color)	4286237691 (0xFF7ACBFB)
YUV	184.2530, 32.9063, -54.5959
Hunter-Lab	73.3584, -14.4995, -28.8380

# Details

The Yxy color **53.8145, 0.2342, 0.2693** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **50.6934, 0.4320, 0.3796**, and the grayscale version is **47.9249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5638, 0.2706, 0.3289**, and **26.3506, 0.2156, 0.2542** is the 20% darker color. If you saturate the color by 10%, you get **47.9316, 0.2212, 0.2552**, and if you desaturate by 10%, it is **60.4408, 0.2485, 0.2828**.

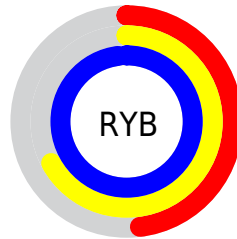
# Distribution



Red (48%)

Green (80%)

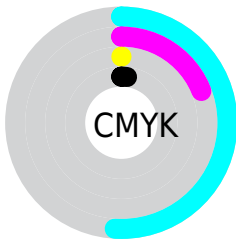
Blue (98%)



Red (48%)

Yellow (67%)

Blue (98%)

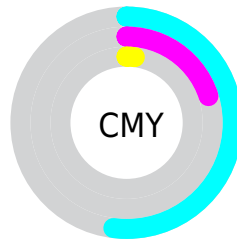


Cyan (51%)

Magenta (19%)

Yellow (0%)

Black (2%)



Cyan (52%)

Magenta (20%)

Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.8145, 0.2342, 0.2693 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 53.8145, 0.2342, 0.2693 by changing the saturation by 10% instead.



■ 53.8145, 0.2342,  
0.2693

■ 53.8145, 0.2342,  
0.2693

401.4022, 0.2711,  
0.2984

■ 38.4534, 0.2257,  
0.2624

■ 95.8018, 0.2471,  
0.2797

■ 26.3348, 0.2153,  
0.2536

■ 123.1968, 0.2521,  
0.2836

■ 17.0742, 0.2021,  
0.2425

■ 155.3719, 0.2564,  
0.2870

■ 10.2874, 0.1851,  
0.2276

192.7114, 0.2601,  
0.2899

■ 5.5900, 0.1625,  
0.2073

235.5998, 0.2634,  
0.2925

■ 2.5974, 0.1317,  
0.1780

284.4215, 0.2663,

■ 0.9254, 0.0860,

0.2947

0.1350

339.5609, 0.2688,  
0.2967

0.0000, 0.0000,  
0.0000

53.8145, 0.2342,  
0.2693

53.8145, 0.2342,  
0.2693

47.9316, 0.2212,  
0.2552

60.4408, 0.2485,  
0.2828

42.7442, 0.2099,  
0.2407

67.8424, 0.2636,  
0.2955

38.2068, 0.2006,  
0.2261

76.0558, 0.2793,  
0.3073

34.2631, 0.1934,  
0.2117

85.1133, 0.2950,  
0.3180

31.2717, 0.1888,  
0.1997

95.0451, 0.3106,  
0.3277

99.7473, 0.3150,  
0.3328

# Harmonies

## Analogous

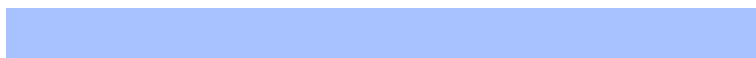
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.8145, 0.2329, 0.2985



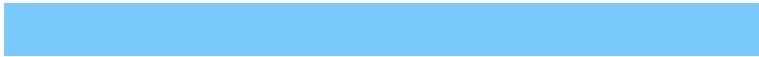
53.8145, 0.2342, 0.2693



53.8145, 0.2546, 0.2576

# Triad

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



53.8145, 0.2342, 0.2693



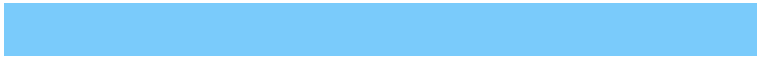
53.8145, 0.3769, 0.3139



53.8145, 0.3296, 0.4069

# Complementary

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



53.8145, 0.2342, 0.2693



50.6934, 0.4320, 0.3796

# 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.



53.8145, 0.3705, 0.4056



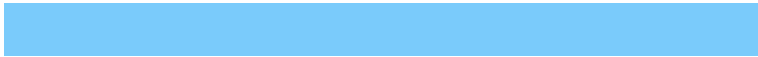
53.8145, 0.2342, 0.2693



53.8145, 0.3997, 0.3495

# Square

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



53.8145, 0.2342, 0.2693



53.8145, 0.3360, 0.2832



53.8145, 0.3969, 0.3830



53.8145, 0.2860, 0.3823



# Rectangle

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



53.8145, 0.2342, 0.2693



53.8145, 0.2774, 0.2594



53.8145, 0.3969, 0.3830



53.8145, 0.3442, 0.4094

# Sweetspot

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



53.8165, 0.2342, 0.2693



84.7005, 0.2893, 0.3143



76.0327, 0.2833, 0.4332



17.7043, 0.2860, 0.3120



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.



53.8165, 0.2342, 0.2693



49.2948, 0.2204, 0.2542



29.6360, 0.2176, 0.1858



18.4587, 0.2980, 0.3200



16.7211, 0.1895, 0.2020



1.7518, 0.1941, 0.2188



# Inverse Universe

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



38.7515, 0.3659, 0.2465



33.7824, 0.3822, 0.2327



80.6726, 0.3961, 0.4396



17.4085, 0.3195, 0.3142



12.0989, 0.4430, 0.2214

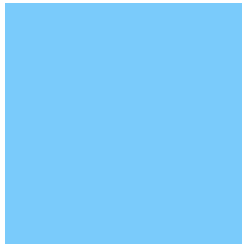


1.1411, 0.4245, 0.2112



# Previews

## White Background



This preview shows how the Yxy color 53.8145, 0.2342, 0.2693 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

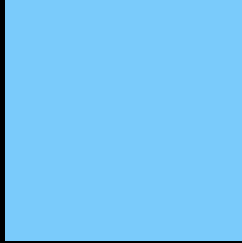
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.8145, 0.2342, 0.2693 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

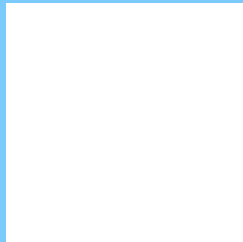
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.8145, 0.2342, 0.2693**

## Background



This preview shows how black text looks on a background with the Yxy color 53.8145, 0.2342, 0.2693.



This preview shows how white text looks on a background with the Yxy color 53.8145, 0.2342, 0.2693.

# 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

53.8145, 0.2342, 0.2693

### Protanopia

53.3757, 0.2696, 0.2691

### Deuteranopia

53.4476, 0.2612, 0.2553



## Tritanopia

54.0043, 0.2440, 0.3077

# Trichromacy



**Original Color**

53.8145, 0.2342, 0.2693

**Protanomaly**

52.9937, 0.2550, 0.2687

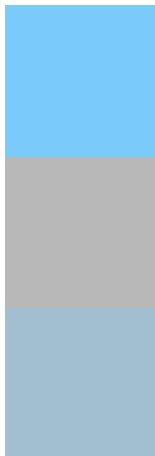
**Deuteranomaly**

53.3912, 0.2501, 0.2601

**Tritanomaly**

53.7961, 0.2400, 0.2927

# Monochromacy



**Original Color**

53.8145, 0.2342, 0.2693

**Achromatopsia**

47.9320, 0.3127, 0.3290

**Achromatomaly**

49.3927, 0.2778, 0.3069

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.8145, 0.2342, 0.2693 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(122, 203, 251)` looks like.

```
.text, #text, p{  
    color:rgb(122, 203, 251)  
}
```

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(122, 203, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 203, 251) }
```

## Border

The CSS property to change the border of an element to Yxy 53.8145, 0.2342, 0.2693 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(122, 203, 251) }
```

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

```
.border{ border-color:rgb(122, 203, 251) }
```

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

Here you see how a box with a 4 pixel rgb(122, 203, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 203, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 203, 251);  
box-shadow:4px 4px 4px 4px rgb(122, 203,  
251) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.8145, 0.2342, 0.2693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 203, 251) }
```

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

```
.background{ background-color: rgb(122,  
203, 251) }
```

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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