

# Converting Colors

$Y_{xy}(53.5911, 0.2355, 0.2735)$

Have a look what the booklet for  
Yxy(53.5911, 0.2355, 0.2735)  
contains.

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# Color

**Yxy(53.4922, 0.2355, 0.2737)**

# Conversions

## Conversions Part 1

Format	Color
Hex	79CBF7
RGB	121, 203, 247
RGB Percent	47%, 80%, 97%
CMY	0.5257, 0.2039, 0.0312
CMYK	0.51, 0.18, 0.00, 0.03
HSL	201°, 89%, 72%
HSV	201°, 51%, 97%
XYZ	46.0264, 53.4922, 95.9224
YIQ	183.4980, -62.9960, -3.7000

# Conversions

## Conversions Part 2

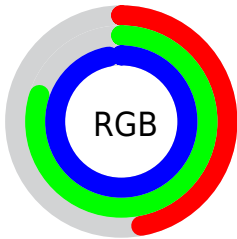
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">121, 171, 247</a>
Decimal	<a href="#">7982071</a>
CIELab	<a href="#">78.16, -13.24, -29.37</a>
CIElCh	<a href="#">78, 32.222, 245.731</a>
Yxy	<a href="#">53.4922, 0.2355, 0.2737</a>
Android (android.graphics.Color)	<a href="#">4286172151 (0xFF79CBF7)</a>
YUV	<a href="#">183.4980, 31.3065, -54.8107</a>
Hunter-Lab	<a href="#">73.1384, -15.6611, -26.5632</a>

# Details

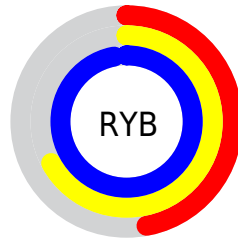
The Yxy color **53.4922, 0.2355, 0.2737** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **48.0553, 0.4326, 0.3762**, and the grayscale version is **47.4858, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4433, 0.2701, 0.3289**, and **26.1863, 0.2167, 0.2584** is the 20% darker color. If you saturate the color by 10%, you get **47.9720, 0.2228, 0.2606**, and if you desaturate by 10%, it is **59.6998, 0.2495, 0.2863**.

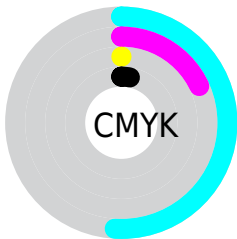
# Distribution



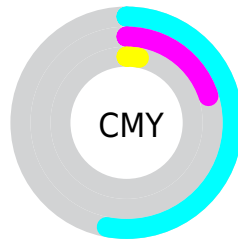
- Red (47%)
- Green (80%)
- Blue (97%)



- Red (47%)
- Yellow (67%)
- Blue (97%)



- Cyan (51%)
- Magenta (18%)
- Yellow (0%)
- Black (3%)



- Cyan (53%)
- Magenta (20%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.4922, 0.2355, 0.2737 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 53.4922, 0.2355, 0.2737 by changing the saturation by 10% instead.



■ 53.4922, 0.2355,  
0.2737

■ 53.4922, 0.2355,  
0.2737

400.1706, 0.2719,  
0.3009

■ 38.1958, 0.2271,  
0.2672

■ 95.3282, 0.2482,  
0.2834

■ 26.1347, 0.2168,  
0.2589

■ 122.6367, 0.2531,  
0.2871

■ 16.9245, 0.2037,  
0.2483

■ 154.7180, 0.2574,  
0.2903

■ 10.1806, 0.1868,  
0.2341

191.9565, 0.2610,  
0.2930

■ 5.5189, 0.1642,  
0.2145

234.7366, 0.2643,  
0.2953

■ 2.5548, 0.1331,  
0.1858

283.4428, 0.2671,

■ 0.9040, 0.0848,

0.2974

0.1431

338.4593, 0.2696,  
0.2993

0.0000, 0.0000,  
0.0000

53.4922, 0.2355,  
0.2737

53.4922, 0.2355,  
0.2737

47.9720, 0.2228,  
0.2606

59.6998, 0.2495,  
0.2863

43.0940, 0.2118,  
0.2471

66.6243, 0.2645,  
0.2981

38.8155, 0.2027,  
0.2335

74.3000, 0.2799,  
0.3090

35.0837, 0.1958,  
0.2200

82.7573, 0.2956,  
0.3191

32.1332, 0.1912,  
0.2082

92.0243, 0.3111,  
0.3281

99.3434, 0.3173,  
0.3364

99.4976, 0.3173,  
0.3366

# Harmonies

## Analogous

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



53.4922, 0.2365, 0.3038



53.4922, 0.2355, 0.2737



53.4922, 0.2533, 0.2602

# Triad

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



53.4922, 0.2355, 0.2737



53.4922, 0.3709, 0.3106



53.4922, 0.3341, 0.4053

# Complementary

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



53.4922, 0.2355, 0.2737



48.0553, 0.4326, 0.3762

# 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.



53.4922, 0.3726, 0.4015



53.4922, 0.2355, 0.2737



53.4922, 0.3955, 0.3450

# Square

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



53.4922, 0.2355, 0.2737



53.4922, 0.3302, 0.2817



53.4922, 0.3957, 0.3781



53.4922, 0.2916, 0.3843



# Rectangle

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



53.4922, 0.2355, 0.2737



53.4922, 0.2743, 0.2607



53.4922, 0.3957, 0.3781



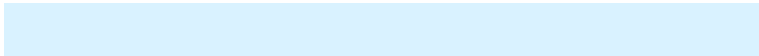
53.4922, 0.3480, 0.4067

# Sweetspot

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



53.4942, 0.2355, 0.2737



85.2270, 0.2893, 0.3152



73.2465, 0.2855, 0.4379



17.8314, 0.2860, 0.3131



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

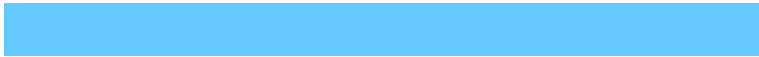


# Same Dimension

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



53.4942, 0.2355, 0.2737



51.5282, 0.2227, 0.2605



30.1093, 0.2194, 0.1924



17.7271, 0.2980, 0.3205



17.2651, 0.1918, 0.2104



1.7095, 0.1964, 0.2270



# Inverse Universe

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



37.7516, 0.3622, 0.2442



34.4718, 0.3763, 0.2306



75.5622, 0.3976, 0.4353



16.6643, 0.3192, 0.3137



11.8423, 0.4336, 0.2162

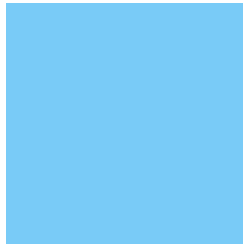


1.0602, 0.4158, 0.2064



# Previews

## White Background



This preview shows how the Yxy color 53.4922, 0.2355, 0.2737 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

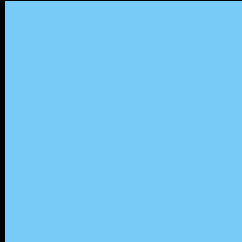
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.4922, 0.2355, 0.2737 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

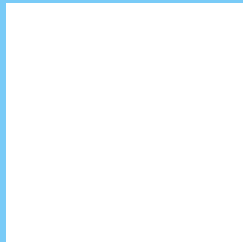
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.4922, 0.2355, 0.2737**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.4922, 0.2355, 0.2737.

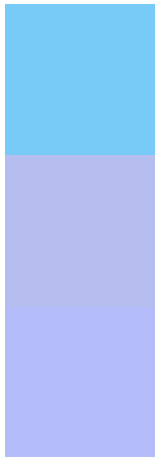


This preview shows how white text looks on a background with the Yxy color 53.4922, 0.2355, 0.2737.

# 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

53.4922, 0.2355, 0.2737

### Protanopia

52.8237, 0.2727, 0.2723

### Deuteranopia

53.0006, 0.2646, 0.2584



## Tritanopia

53.5182, 0.2437, 0.3063

# Trichromacy



**Original Color**

53.4922, 0.2355, 0.2737

**Protanomaly**

52.7520, 0.2572, 0.2730

**Deuteranomaly**

52.7941, 0.2527, 0.2631

**Tritanomaly**

53.6818, 0.2410, 0.2951

# Monochromacy



**Original Color**

53.4922, 0.2355, 0.2737

**Achromatopsia**

47.3531, 0.3127, 0.3290

**Achromatomaly**

48.7567, 0.2783, 0.3080

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.4922, 0.2355, 0.2737 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(121, 203, 247)` looks like.

```
.text, #text, p{  
    color:rgb(121, 203, 247)  
}
```

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(121, 203, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 203, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 53.4922, 0.2355, 0.2737 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(121, 203, 247) }
```

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

```
.border{ border-color:rgb(121, 203, 247) }
```

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

Here you see how a box with a 4 pixel rgb(121, 203, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 203, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 203, 247);  
box-shadow:4px 4px 4px 4px rgb(121, 203,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.4922, 0.2355, 0.2737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 203, 247) }
```

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

```
.background{ background-color: rgb(121,  
203, 247) }
```

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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