

# Converting Colors

$Y_{xy}(53.2840, 0.2357, 0.2990)$

Have a look what the booklet for  
Yxy(53.2840, 0.2357, 0.2990)  
contains.

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# Color

**Yxy(53.0481, 0.2354, 0.2984)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 64CFE6                       |
| RGB         | 100, 207, 230                |
| RGB Percent | 39%, 81%, 90%                |
| CMY         | 0.6078, 0.1882, 0.0981       |
| CMYK        | 0.57, 0.10, 0.00, 0.10       |
| HSL         | 191°, 72%, 65%               |
| HSV         | 191°, 57%, 90%               |
| XYZ         | 41.8483, 53.0481, 82.8788    |
| YIQ         | 177.6290, -71.1550, -15.5310 |

# Conversions

## Conversions Part 2

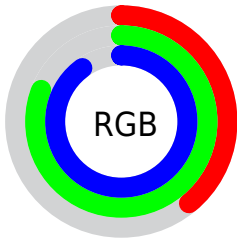
| Format                              | Color                                                      |
|-------------------------------------|------------------------------------------------------------|
| <a href="#">RYB</a>                 | <a href="#">100, 159, 230</a>                              |
| Decimal                             | <a href="#">6606822</a>                                    |
| CIELab                              | <a href="#">77.90, -24.38, -20.71</a>                      |
| CIElCh                              | <a href="#">78, 31.985, 220.347</a>                        |
| Yxy                                 | <a href="#">53.0481, 0.2354, 0.2984</a>                    |
| Android<br>(android.graphics.Color) | <a href="#">4284796902</a><br><a href="#">(0xFF64CFE6)</a> |
| YUV                                 | <a href="#">177.6290, 25.8189, -68.0806</a>                |
| Hunter-Lab                          | <a href="#">72.8341, -24.8991, -16.4829</a>                |

# Details

The Yxy color **53.0481, 0.2354, 0.2984** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.8988, 0.4672, 0.3548**, and the grayscale version is **44.2048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2136, 0.2605, 0.3288**, and **25.7067, 0.2164, 0.2890** is the 20% darker color. If you saturate the color by 10%, you get **49.9743, 0.2261, 0.2921**, and if you desaturate by 10%, it is **56.5466, 0.2465, 0.3046**.

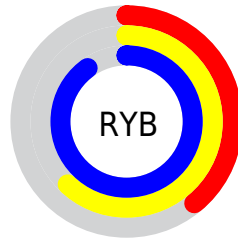
# Distribution



Red (39%)

Green (81%)

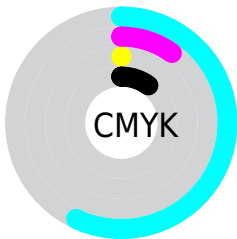
Blue (90%)



Red (39%)

Yellow (62%)

Blue (90%)

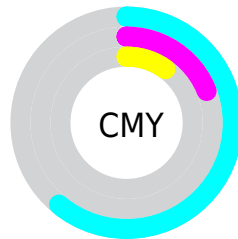


Cyan (57%)

Magenta (10%)

Yellow (0%)

Black (10%)



Cyan (61%)

Magenta (19%)


Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.0481, 0.2354, 0.2984 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 53.0481, 0.2354, 0.2984 by changing the saturation by 10% instead.





 53.0481, 0.2354,  
0.2984


 53.0481, 0.2354,  
0.2984


398.4696, 0.2720,  
0.3143

 37.8412, 0.2269,  
0.2943


 94.6751, 0.2482,  
0.3043

 25.8594, 0.2164,  
0.2891


 121.8640, 0.2532,  
0.3064

 16.7185, 0.2030,  
0.2821


 153.8157, 0.2574,  
0.3083

 10.0340, 0.1856,  
0.2723

 190.9146, 0.2611,  
0.3098

 5.4215, 0.1621,  
0.2579

233.5450, 0.2643,  
0.3112

 2.4966, 0.1292,  
0.2351

282.0914, 0.2672,

 0.8750, 0.0545,

0.3123

0.2015

336.9381, 0.2697,  
0.3134

0.0000, 0.0000,  
0.0000

53.0481, 0.2354,  
0.2984

53.0481, 0.2354,  
0.2984

49.9743, 0.2261,  
0.2921

56.5466, 0.2465,  
0.3046

47.2868, 0.2186,  
0.2856

60.4925, 0.2590,  
0.3105

44.9498, 0.2132,  
0.2792

64.9138, 0.2728,  
0.3161

42.9155, 0.2096,  
0.2729

69.8342, 0.2874,  
0.3213

42.2502, 0.2085,  
0.2707

75.2758, 0.3026,  
0.3261

81.2594, 0.3181,  
0.3305

86.6509, 0.3295,  
0.3345

89.0111, 0.3290,  
0.3384

91.4247, 0.3286,  
0.3424

# Harmonies

## Analogous

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



53.0481, 0.2524, 0.3385



53.0481, 0.2354, 0.2984



53.0481, 0.2374, 0.2708

# Triad

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



53.0481, 0.2354, 0.2984



53.0481, 0.3369, 0.2858



53.0481, 0.3672, 0.4032

# Complementary

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



53.0481, 0.2354, 0.2984



31.8988, 0.4672, 0.3548

# 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.



53.0481, 0.3932, 0.3823



53.0481, 0.2354, 0.2984



53.0481, 0.3757, 0.3158

# Square

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



53.0481, 0.2354, 0.2984



53.0481, 0.2934, 0.2658



53.0481, 0.3968, 0.3503



53.0481, 0.3275, 0.4033



# Rectangle

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



53.0481, 0.2354, 0.2984



53.0481, 0.2491, 0.2617



53.0481, 0.3968, 0.3503



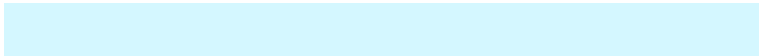
53.0481, 0.3779, 0.3981

# Sweetspot

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



53.0501, 0.2354, 0.2984



87.8939, 0.2866, 0.3210



60.6873, 0.2944, 0.4824



18.5344, 0.2836, 0.3200



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.



53.0501, 0.2354, 0.2984



62.4979, 0.2245, 0.2909



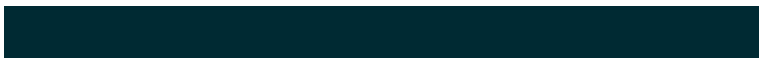
28.1649, 0.2157, 0.2066



15.8802, 0.2981, 0.3247



24.0873, 0.2088, 0.2717



1.8940, 0.2114, 0.2809



# Inverse Universe

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



30.4394, 0.3430, 0.2155



32.6355, 0.3512, 0.1985



53.1327, 0.4200, 0.4241



14.5692, 0.3165, 0.3099



11.6293, 0.3712, 0.1819

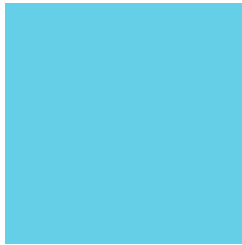


0.8709, 0.3626, 0.1771



# Previews

## White Background



This preview shows how the Yxy color 53.0481, 0.2354, 0.2984 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

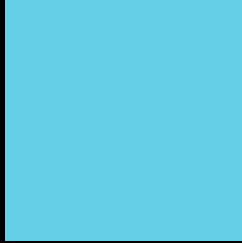
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.0481, 0.2354, 0.2984 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

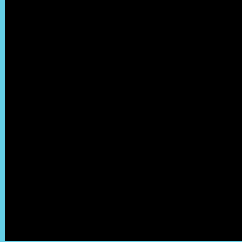
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.0481, 0.2354, 0.2984**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.0481, 0.2354, 0.2984.



This preview shows how white text looks on a background with the Yxy color 53.0481, 0.2354, 0.2984.

# 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

53.0481, 0.2354, 0.2984

### Protanopia

52.5062, 0.2894, 0.2939

### Deuteranopia

52.1725, 0.2799, 0.2737



## Tritanopia

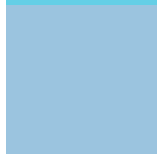
53.1447, 0.2372, 0.3060

# Trichromacy



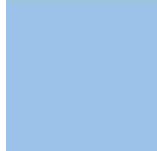
## Original Color

53.0481, 0.2354, 0.2984



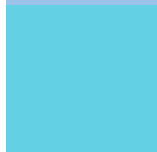
## Protanomaly

51.7761, 0.2651, 0.2947



## Deuteranomaly

51.5347, 0.2596, 0.2804



## Tritanomaly

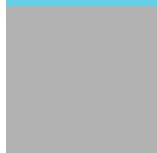
53.3105, 0.2366, 0.3035

# Monochromacy



## Original Color

53.0481, 0.2354, 0.2984



## Achromatopsia

44.5201, 0.3127, 0.3290



## Achromatomaly

46.9104, 0.2770, 0.3181

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  53.0481, 0.2354, 0.2984 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(100, 207, 230)` looks like.

```
.text, #text, p{  
    color:rgb(100, 207, 230)  
}
```

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(100, 207, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 207, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 53.0481, 0.2354, 0.2984 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(100, 207, 230) }
```

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

```
.border{ border-color:rgb(100, 207, 230) }
```

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

Here you see how a box with a 4 pixel rgb(100, 207, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 207, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 207, 230);  
box-shadow:4px 4px 4px 4px rgb(100, 207,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.0481, 0.2354, 0.2984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 207, 230) }
```

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

```
.background{ background-color: rgb(100,  
207, 230) }
```

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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