

# Converting Colors

$Yxy(50.5395, 0.2246, 0.2744)$

Have a look what the booklet for  
Yxy(50.5395, 0.2246, 0.2744)  
contains.

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# Color

**Yxy(50.4685, 0.2246, 0.2740)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5BC9F3
RGB	91, 201, 243
RGB Percent	36%, 79%, 95%
CMY	0.6436, 0.2117, 0.0471
CMYK	0.63, 0.17, 0.00, 0.05
HSL	197°, 86%, 65%
HSV	197°, 63%, 95%
XYZ	41.3694, 50.4685, 92.3537
YIQ	172.8980, -79.0420, -10.2580

# Conversions

## Conversions Part 2

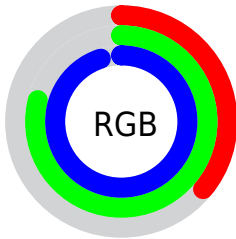
Format	Color
R <sub>Y</sub> B	91, 155, 243
Decimal	6015475
CIE Lab	76.36, -19.16, -30.08
CIE LCh	76, 35.670, 237.504
Yxy	50.4685, 0.2246, 0.2740
Android (android.graphics.Color)	4284205555 (0xFF5BC9F3)
YUV	172.8980, 34.5603, -71.8245
Hunter-Lab	71.0412, -20.3761, -27.3483

# Details

The Yxy color **50.4685, 0.2246, 0.2740** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **36.5467, 0.4808, 0.3722**, and the grayscale version is **41.5717, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6100, 0.2579, 0.3288**, and **24.4553, 0.2052, 0.2586** is the 20% darker color. If you saturate the color by 10%, you get **46.3714, 0.2150, 0.2636**, and if you desaturate by 10%, it is **55.1053, 0.2360, 0.2842**.

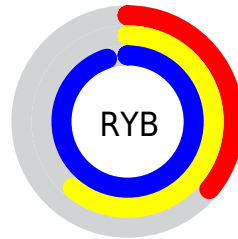
# Distribution



Red (36%)

Green (79%)

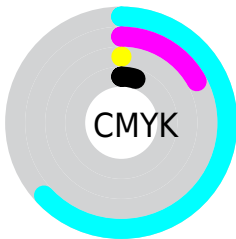
Blue (95%)



Red (36%)

Yellow (61%)

Blue (95%)

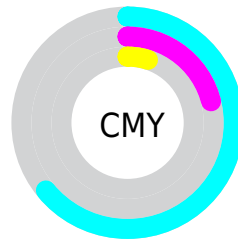


Cyan (63%)

Magenta (17%)

Yellow (0%)

Black (5%)



Cyan (64%)

Magenta (21%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.4685, 0.2246, 0.2740 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 50.4685, 0.2246, 0.2740 by changing the saturation by 10% instead.



50.4685, 0.2246,  
0.2740

50.4685, 0.2246,  
0.2740

388.4952, 0.2663,  
0.3017

35.7858, 0.2150,  
0.2672

90.8686, 0.2391,  
0.2840

24.2688, 0.2032,  
0.2586

117.3549, 0.2448,  
0.2878

15.5331, 0.1883,  
0.2473

148.5444, 0.2496,  
0.2910

9.1944, 0.1690,  
0.2321

184.8216, 0.2538,  
0.2937

4.8682, 0.1436,  
0.2107

226.5709, 0.2575,  
0.2961

2.1701, 0.1093,  
0.1792

274.1767, 0.2608,

0.7036, 0.0379,

0.2982

0.1327

328.0233, 0.2637,  
0.3000

0.0000, 0.0000,  
0.0000

50.4685, 0.2246,  
0.2740

50.4685, 0.2246,  
0.2740

46.3714, 0.2150,  
0.2636

55.1053, 0.2360,  
0.2842

42.7665, 0.2073,  
0.2530

60.3128, 0.2489,  
0.2940


39.6052, 0.2017,  
0.2426


66.1257, 0.2630,  
0.3033


37.4954, 0.1986,  
0.2350


72.5737, 0.2779,  
0.3120

79.6845, 0.2932,  
0.3200

 87.4838, 0.3087,  
0.3272

 94.8432, 0.3202,  
0.3338

 99.0406, 0.3197,  
0.3402

 99.2510, 0.3197,  
0.3405

# Harmonies

## Analogous

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



50.4685, 0.2314, 0.3121



50.4685, 0.2246, 0.2740



50.4685, 0.2387, 0.2541

# Triad

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



50.4685, 0.2246, 0.2740



50.4685, 0.3669, 0.2985



50.4685, 0.3492, 0.4171

# Complementary

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



50.4685, 0.2246, 0.2740



36.5467, 0.4808, 0.3722

# 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.



50.4685, 0.3892, 0.4047



50.4685, 0.2246, 0.2740



50.4685, 0.4012, 0.3355

# Square

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



50.4685, 0.2246, 0.2740



50.4685, 0.3184, 0.2693



50.4685, 0.4091, 0.3738



50.4685, 0.3013, 0.4013



# Rectangle

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



50.4685, 0.2246, 0.2740



50.4685, 0.2589, 0.2515



50.4685, 0.4091, 0.3738



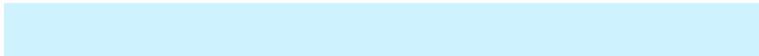
50.4685, 0.3641, 0.4158

# Sweetspot

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



50.4703, 0.2246, 0.2740



83.7037, 0.2833, 0.3149



67.9701, 0.2870, 0.4818



17.4424, 0.2789, 0.3126



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.



50.4703, 0.2246, 0.2740



50.6441, 0.2128, 0.2608



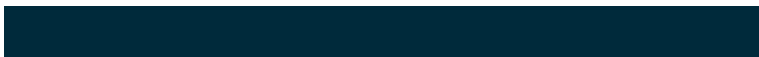
23.7079, 0.2005, 0.1698



17.9392, 0.2980, 0.3223



20.8164, 0.1991, 0.2367



2.0011, 0.2027, 0.2496



# Inverse Universe

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



30.7349, 0.3648, 0.2188



29.1732, 0.3792, 0.2058



64.6792, 0.4224, 0.4458



16.6857, 0.3180, 0.3120



12.2008, 0.4057, 0.2009

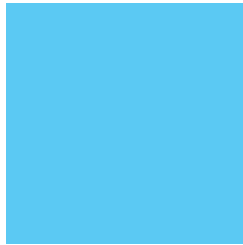


1.0896, 0.3926, 0.1936



# Previews

## White Background



This preview shows how the Yxy color 50.4685, 0.2246, 0.2740 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

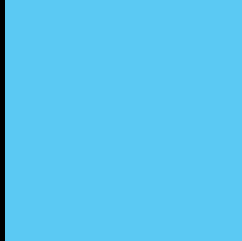
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.4685, 0.2246, 0.2740 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

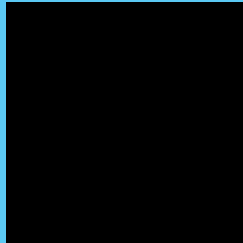
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.4685, 0.2246, 0.2740**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.4685, 0.2246, 0.2740.



This preview shows how white text looks on a background with the Yxy color 50.4685, 0.2246, 0.2740.

# 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

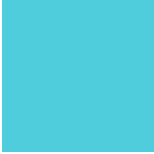
50.4685, 0.2246, 0.2740

### Protanopia

49.7542, 0.2724, 0.2720

### Deuteranopia

49.8806, 0.2611, 0.2545



## **Tritanopia**

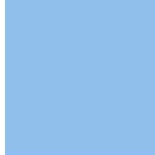
50.5886, 0.2315, 0.3067

# Trichromacy



## Original Color

50.4685, 0.2246, 0.2740



## Protanomaly

49.3375, 0.2507, 0.2722



## Deuteranomaly

49.3204, 0.2441, 0.2596



## Tritanomaly

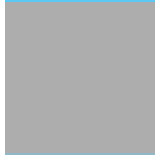
50.7277, 0.2291, 0.2950

# Monochromacy



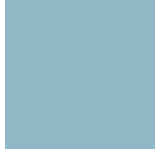
## Original Color

50.4685, 0.2246, 0.2740



## Achromatopsia

41.7885, 0.3127, 0.3290



## Achromatomaly

43.7838, 0.2706, 0.3081

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.4685, 0.2246, 0.2740 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(91, 201, 243)` looks like.

```
.text, #text, p{  
    color:rgb(91, 201, 243)  
}
```

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(91, 201, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 201, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 50.4685, 0.2246, 0.2740 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(91, 201, 243) }
```

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

```
.border{ border-color:rgb(91, 201, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 201, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 201, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 201, 243);  
box-shadow:4px 4px 4px 4px rgb(91, 201,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.4685, 0.2246, 0.2740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 201, 243) }
```

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

```
.background{ background-color: rgb(91, 201,  
243) }
```

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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