

# Converting Colors

$Y_{xy}(53.4798, 0.2098, 0.2705)$

Have a look what the booklet for  
Yxy(53.4798, 0.2098, 0.2705)  
contains.

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# Color

**Yxy(53.5199, 0.2098, 0.2706)**

# Conversions

## Conversions Part 1

Format	Color
Hex	19D2FF
RGB	25, 210, 255
RGB Percent	10%, 82%, 100%
CMY	0.9030, 0.1764, 0.0000
CMYK	0.90, 0.18, 0.00, 0.00
HSL	192°, 100%, 55%
HSV	192°, 90%, 100%
XYZ	41.4947, 53.5199, 102.7677
YIQ	159.8150, -124.7050, -25.2250

# Conversions

## Conversions Part 2

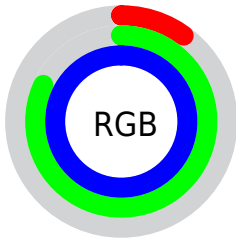
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	25, 128, 255
Decimal	1692415
CIE Lab	78.18, -26.65, -33.80
CIE LCh	78, 43.043, 231.750
Yxy	53.5199, 0.2098, 0.2706
Android (android.graphics.Color)	4279882495 (0xFF19D2FF)
YUV	159.8150, 46.9262, -118.2328
Hunter-Lab	73.1573, -26.7803, -32.0775

# Details

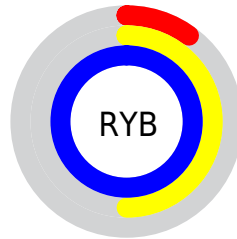
The Yxy color **53.5199, 0.2098, 0.2706** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **25.6769, 0.5985, 0.3526**, and the grayscale version is **34.8528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7331, 0.2446, 0.3288**, and **27.5199, 0.2048, 0.2572** is the 20% darker color. If you saturate the color by 10%, you get **50.9650, 0.2066, 0.2638**, and if you desaturate by 10%, it is **56.5004, 0.2147, 0.2778**.

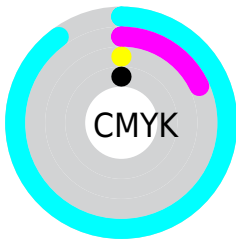
# Distribution



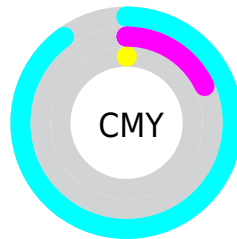
- Red (10%)
- Green (82%)
- Blue (100%)



- Red (10%)
- Yellow (50%)
- Blue (100%)



- Cyan (90%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)




- Cyan (90%)
- Magenta (18%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.5199, 0.2098, 0.2706 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 53.5199, 0.2098, 0.2706 by changing the saturation by 10% instead.





 53.5199, 0.2098,  
0.2706


 53.5199, 0.2098,  
0.2706


400.2766, 0.2574,  
0.3000

 38.2180, 0.1991,  
0.2634


 95.3690, 0.2262,  
0.2812


 26.1519, 0.1862,  
0.2543


 122.6849, 0.2326,  
0.2852


 16.9373, 0.1701,  
0.2425


 154.7742, 0.2382,  
0.2887

 10.1898, 0.1498,  
0.2267

 192.0214, 0.2430,  
0.2916

 5.5250, 0.1239,  
0.2049

 234.8109, 0.2473,  
0.2941

 2.5585, 0.0906,  
0.1735

283.5270, 0.2510,

 0.9058, 0.0302,

0.2963

0.1299

338.5541, 0.2544,  
0.2983

■ 0.0000, 0.0000,  
0.0000

■ 53.5199, 0.2098,  
0.2706

■ 53.5199, 0.2098,  
0.2706

■ 50.9650, 0.2066,  
0.2638

■ 56.5004, 0.2147,  
0.2778

■ 59.9185, 0.2216,  
0.2850

■ 63.8277, 0.2305,  
0.2922

■ 68.2722, 0.2412,  
0.2992

■ 73.2911, 0.2535,  
0.3059

■ 78.9190, 0.2671,  
0.3123

■ 85.1878, 0.2816,  
0.3183

■ 92.1269, 0.2968,  
0.3238

■ 99.7636, 0.3123,  
0.3289

# Harmonies

## Analogous

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



53.5199, 0.2219, 0.3186



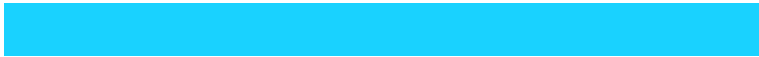
53.5199, 0.2098, 0.2706



53.5199, 0.2215, 0.2440

# Triad

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



53.5199, 0.2098, 0.2706



53.5199, 0.3663, 0.2857



53.5199, 0.3650, 0.4331

# Complementary

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



53.5199, 0.2098, 0.2706



25.6769, 0.5985, 0.3526

# 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.



53.5199, 0.4090, 0.4113



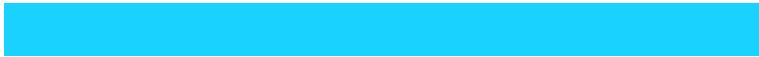
53.5199, 0.2098, 0.2706



53.5199, 0.4119, 0.3270

# Square

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



53.5199, 0.2098, 0.2706



53.5199, 0.3078, 0.2547



53.5199, 0.4275, 0.3716



53.5199, 0.3092, 0.4223



# Rectangle

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



53.5199, 0.2098, 0.2706



53.5199, 0.2419, 0.2387



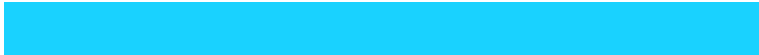
53.5199, 0.4275, 0.3716



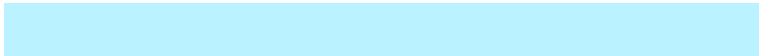
53.5199, 0.3817, 0.4288

# Sweetspot

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



53.5204, 0.2098, 0.2706



80.9125, 0.2718, 0.3143



72.1282, 0.2937, 0.5699



16.8768, 0.2669, 0.3122



0.0000, 0.0000, 0.0000

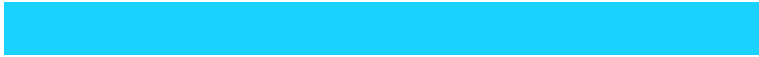


21.4041, 0.3127, 0.3290

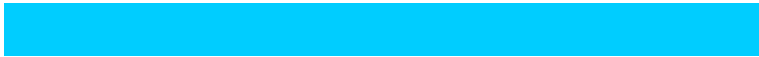


# Same Dimension

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



53.5204, 0.2098, 0.2706



50.9650, 0.2066, 0.2638



16.0954, 0.1683, 0.1189



19.8427, 0.2980, 0.3242



26.8439, 0.2069, 0.2649



2.7607, 0.2092, 0.2731



# Inverse Universe

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



26.5980, 0.3718, 0.1858



25.6761, 0.3788, 0.1860



54.8205, 0.4791, 0.4516



18.2359, 0.3168, 0.3101



13.4379, 0.3776, 0.1854

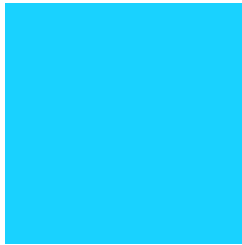


1.3232, 0.3699, 0.1812



# Previews

## White Background



This preview shows how the Yxy color 53.5199, 0.2098, 0.2706 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

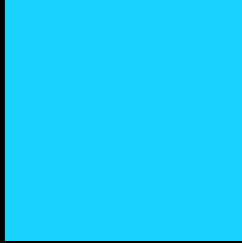
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.5199, 0.2098, 0.2706 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 53.5199, 0.2098, 0.2706**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.5199, 0.2098, 0.2706.

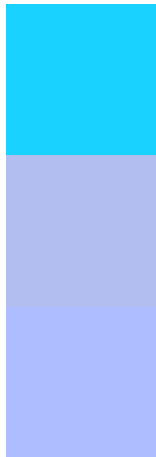


This preview shows how white text looks on a background with the Yxy color 53.5199, 0.2098, 0.2706.

# 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

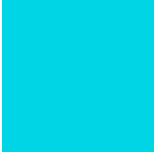
53.5199, 0.2098, 0.2706

### Protanopia

52.7019, 0.2701, 0.2699

### Deuteranopia

52.6139, 0.2579, 0.2526



## **Tritanopia**

53.3017, 0.2182, 0.3054

# Trichromacy



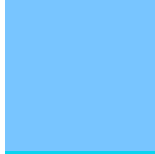
## Original Color

53.5199, 0.2098, 0.2706



## Protanomaly

50.7360, 0.2358, 0.2682



## Deuteranomaly

51.1456, 0.2300, 0.2570



## Tritanomaly

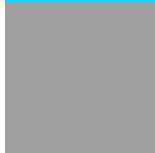
53.3770, 0.2150, 0.2925

# Monochromacy



## Original Color

53.5199, 0.2098, 0.2706



## Achromatopsia

35.1533, 0.3127, 0.3290



## Achromatomaly

39.1604, 0.2506, 0.3036

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.5199, 0.2098, 0.2706 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(25, 210, 255)` looks like.

```
.text, #text, p{  
    color:rgb(25, 210, 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(25, 210, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 210, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 53.5199, 0.2098, 0.2706 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(25, 210, 255) }
```

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

```
.border{ border-color:rgb(25, 210, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 210, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 210, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 210, 255);  
box-shadow:4px 4px 4px 4px rgb(25, 210,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.5199, 0.2098, 0.2706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 210, 255) }
```

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

```
.background{ background-color: rgb(25, 210,  
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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