

# Converting Colors

$Y_{xy}(59.7556, 0.1920, 0.2074)$

Have a look what the booklet for  
Yxy(59.7556, 0.1920, 0.2074)  
contains.

<b>Yxy(54.5538, 0.2108, 0.2734)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(54.5538, 0.2108, 0.2734)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1CD4FF
RGB	28, 212, 255
RGB Percent	11%, 83%, 100%
CMY	0.8920, 0.1686, 0.0000
CMYK	0.89, 0.17, 0.00, 0.00
HSL	191°, 100%, 55%
HSV	191°, 89%, 100%
XYZ	42.0627, 54.5538, 102.9219
YIQ	161.8860, -123.4670, -25.6350

# Conversions

## Conversions Part 2

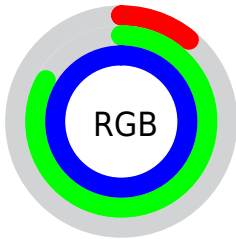
Format	Color
R <sub>Y</sub> B	28, 130, 255
Decimal	1889535
CIE Lab	78.78, -27.52, -32.86
CIE LCh	79, 42.864, 230.053
Yxy	54.5538, 0.2108, 0.2734
Android (android.graphics.Color)	4280079615 (0xFF1CD4FF)
YUV	161.8860, 45.9052, -117.4180
Hunter-Lab	73.8605, -27.6023, -30.9160

# Details

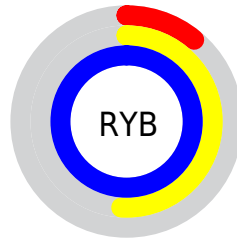
The Yxy color **54.5538, 0.2108, 0.2734** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **25.7887, 0.5965, 0.3523**, and the grayscale version is **35.8376, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8049, 0.2450, 0.3288**, and **28.1912, 0.2058, 0.2607** is the 20% darker color. If you saturate the color by 10%, you get **51.9544, 0.2075, 0.2666**, and if you desaturate by 10%, it is **57.5189, 0.2159, 0.2803**.

# Distribution



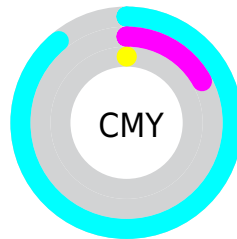
- Red (11%)
- Green (83%)
- Blue (100%)



- Red (11%)
- Yellow (51%)
- Blue (100%)



- Cyan (89%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)




- Cyan (89%)
- Magenta (17%)
- Yellow (0%)


# Brightness & Saturation Gradients


These gradients show how the Yxy color 54.5538, 0.2108, 0.2734 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 54.5538, 0.2108, 0.2734 by changing the saturation by 10% instead.




 54.5538, 0.2108,  
0.2734


 54.5538, 0.2108,  
0.2734


 404.2183, 0.2579,  
0.3015


 39.0446, 0.2003,  
0.2665


 96.8869, 0.2270,  
0.2835

 26.7944, 0.1875,  
0.2578


 124.4796, 0.2333,  
0.2874

 17.4189, 0.1716,  
0.2465


 156.8689, 0.2388,  
0.2906

 10.5336, 0.1516,  
0.2314

 194.4392, 0.2436,  
0.2934

 5.7542, 0.1260,  
0.2104

 237.5749, 0.2478,  
0.2958

 2.6962, 0.0931,  
0.1800

 286.6604, 0.2515,

 0.9753, 0.0355,

0.2980

0.1372

342.0800, 0.2549,  
0.2998

■ 0.0000, 0.0000,  
0.0000

■ 54.5538, 0.2108,  
0.2734

■ 54.5538, 0.2108,  
0.2734

■ 51.9544, 0.2075,  
0.2666

■ 57.5189, 0.2159,  
0.2803

■ 51.7538, 0.2072,  
0.2660

■ 60.9219, 0.2229,  
0.2873

■ 64.8162, 0.2319,  
0.2942

■ 69.2455, 0.2427,  
0.3009

■ 74.2480, 0.2550,  
0.3074

■ 79.8582, 0.2687,  
0.3135

■ 86.1074, 0.2833,  
0.3193

■ 93.0248, 0.2985,  
0.3246

■ 100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



54.5538, 0.2242, 0.3220



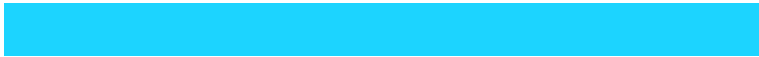
54.5538, 0.2108, 0.2734



54.5538, 0.2211, 0.2457

# Triad

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



54.5538, 0.2108, 0.2734



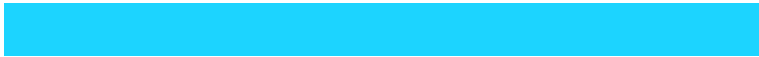
54.5538, 0.3627, 0.2841



54.5538, 0.3674, 0.4315

# Complementary

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



54.5538, 0.2108, 0.2734



25.7887, 0.5965, 0.3523

# 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.



54.5538, 0.4099, 0.4086



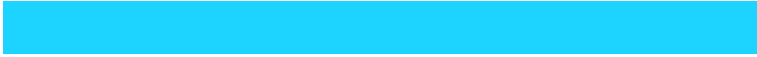
54.5538, 0.2108, 0.2734



54.5538, 0.4090, 0.3246

# Square

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



54.5538, 0.2108, 0.2734



54.5538, 0.3046, 0.2541



54.5538, 0.4263, 0.3689



54.5538, 0.3125, 0.4228



# Rectangle

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



54.5538, 0.2108, 0.2734



54.5538, 0.2405, 0.2396



54.5538, 0.4263, 0.3689



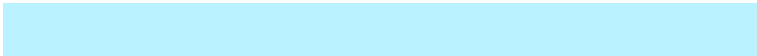
54.5538, 0.3837, 0.4267

# Sweetspot

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



54.5555, 0.2108, 0.2734



81.1755, 0.2718, 0.3148



72.1933, 0.2934, 0.5678



16.9396, 0.2670, 0.3128



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

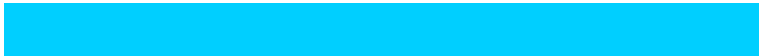


# Same Dimension

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



54.5555, 0.2108, 0.2734



51.7538, 0.2072, 0.2660



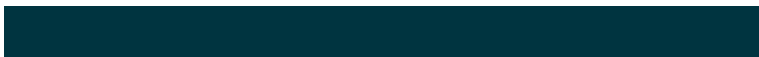
16.4933, 0.1692, 0.1212



19.8634, 0.2980, 0.3244



27.2512, 0.2076, 0.2672



2.7968, 0.2097, 0.2750



# Inverse Universe

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



26.8235, 0.3692, 0.1850



25.7557, 0.3766, 0.1848



55.1976, 0.4776, 0.4516



18.2380, 0.3167, 0.3099



13.4790, 0.3755, 0.1842

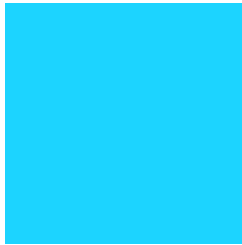


1.3269, 0.3681, 0.1802



# Previews

## White Background



This preview shows how the Yxy color 54.5538, 0.2108, 0.2734 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

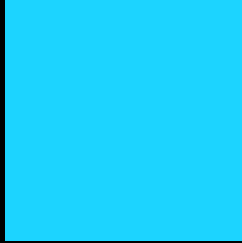
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.5538, 0.2108, 0.2734 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 54.5538, 0.2108, 0.2734**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.5538, 0.2108, 0.2734.



This preview shows how white text looks on a background with the Yxy color 54.5538, 0.2108, 0.2734.

# 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

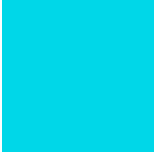
54.5538, 0.2108, 0.2734

### Protanopia

53.4980, 0.2722, 0.2714

### Deuteranopia

53.8287, 0.2601, 0.2554



## **Tritanopia**

54.4271, 0.2182, 0.3056

# Trichromacy



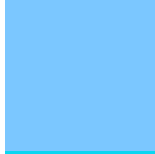
## Original Color

54.5538, 0.2108, 0.2734



## Protanomaly

51.8750, 0.2378, 0.2711



## Deuteranomaly

52.2778, 0.2319, 0.2599



## Tritanomaly

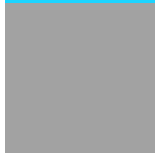
54.4489, 0.2154, 0.2940

# Monochromacy



## Original Color

54.5538, 0.2108, 0.2734



## Achromatopsia

36.1307, 0.3127, 0.3290



## Achromatomaly

40.1387, 0.2517, 0.3053

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.5538, 0.2108, 0.2734 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(28, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(28, 212, 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(28, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 212, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 54.5538, 0.2108, 0.2734 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(28, 212, 255) }
```

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

```
.border{ border-color:rgb(28, 212, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(28, 212,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.5538, 0.2108, 0.2734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 212, 255) }
```

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

```
.background{ background-color: rgb(28, 212,  
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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