

# Converting Colors

$Yxy(63.3759, 0.2284, 0.2955)$

Have a look what the booklet for  
Yxy(63.3759, 0.2284, 0.2955)  
contains.

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# Color

**Yxy(63.1028, 0.2285, 0.2954)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5BE1FC
RGB	91, 225, 252
RGB Percent	36%, 88%, 99%
CMY	0.6430, 0.1176, 0.0118
CMYK	0.64, 0.11, 0.00, 0.01
HSL	190°, 96%, 67%
HSV	190°, 64%, 99%
XYZ	48.8117, 63.1028, 101.7036
YIQ	188.0120, -88.5310, -20.0110

# Conversions

## Conversions Part 2

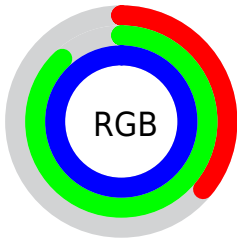
Format	Color
RYP	91, 164, 252
Decimal	6021628
CIELab	83.50, -28.46, -23.96
CIElCh	83, 37.202, 220.092
Yxy	63.1028, 0.2285, 0.2954
Android (android.graphics.Color)	4284211708 (0xFF5BE1FC)
YUV	188.0120, 31.5461, -85.0795
Hunter-Lab	79.4373, -29.3325, -20.3029

# Details

The Yxy color **63.1028, 0.2285, 0.2954** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light muted cyan. A complement of this color would be **34.4153, 0.5006, 0.3551**, and the grayscale version is **50.1570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8079, 0.2588, 0.3288**, and **32.3161, 0.2128, 0.2861** is the 20% darker color. If you saturate the color by 10%, you get **59.7745, 0.2207, 0.2893**, and if you desaturate by 10%, it is **66.9221, 0.2382, 0.3014**.

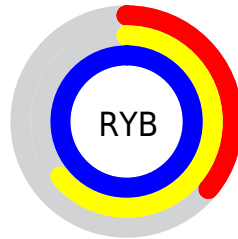
# Distribution



Red (36%)

Green (88%)

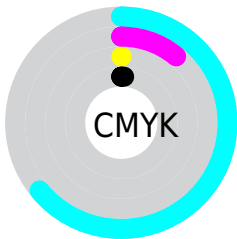
Blue (99%)



Red (36%)

Yellow (64%)

Blue (99%)

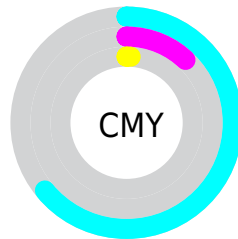


Cyan (64%)

Magenta (11%)

Yellow (0%)

Black (1%)



Cyan (64%)

Magenta (12%)


Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.1028, 0.2285, 0.2954 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 63.1028, 0.2285, 0.2954 by changing the saturation by 10% instead.





 63.1028, 0.2285,  
0.2954


 63.1028, 0.2285,  
0.2954

435.9425, 0.2670,  
0.3124


 45.9244, 0.2199,  
0.2912


 109.3178, 0.2417,  
0.3016


 32.1862, 0.2095,  
0.2859


 139.1232, 0.2469,  
0.3039

 21.5037, 0.1965,  
0.2789


 173.9063, 0.2514,  
0.3059

 13.4927, 0.1799,  
0.2694

 214.0516, 0.2553,  
0.3075

 7.7687, 0.1584,  
0.2560

259.9435, 0.2587,  
0.3090

 3.9473, 0.1295,  
0.2359

311.9664, 0.2618,

 1.6441, 0.0899,

0.3103

0.2038

370.5045, 0.2645,  
0.3114

■ 0.3871, 0.0000,  
0.1297

■ 0.0000, 0.0000,  
0.0000

■ 63.1028, 0.2285,  
0.2954

■ 63.1028, 0.2285,  
0.2954

■ 59.7745, 0.2207,  
0.2893

■ 66.9221, 0.2382,  
0.3014

■ 56.8849, 0.2149,  
0.2832

■ 71.2647, 0.2496,  
0.3072

■ 54.3810, 0.2110,  
0.2772

■ 76.1677, 0.2625,  
0.3128

■ 52.9898, 0.2093,  
0.2735

■ 81.6627, 0.2765,  
0.3180

■ 87.7789, 0.2913,  
0.3229

■ 94.5433, 0.3067,  
0.3274

■ 99.5471, 0.3145,  
0.3315

■ 99.8084, 0.3144,  
0.3319

# Harmonies

## Analogous

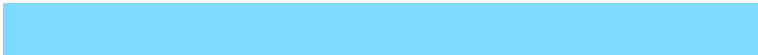
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.1028, 0.2469, 0.3396



63.1028, 0.2285, 0.2954



63.1028, 0.2305, 0.2653

# Triad

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



63.1028, 0.2285, 0.2954



63.1028, 0.3387, 0.2816



63.1028, 0.3724, 0.4103

# Complementary

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



63.1028, 0.2285, 0.2954



34.4153, 0.5006, 0.3551

# 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.



63.1028, 0.4010, 0.3866



63.1028, 0.2285, 0.2954



63.1028, 0.3816, 0.3140

# Square

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



63.1028, 0.2285, 0.2954



63.1028, 0.2910, 0.2601



63.1028, 0.4050, 0.3514



63.1028, 0.3289, 0.4112

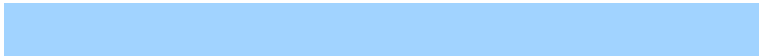


# Rectangle

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



63.1028, 0.2285, 0.2954



63.1028, 0.2430, 0.2556



63.1028, 0.4050, 0.3514



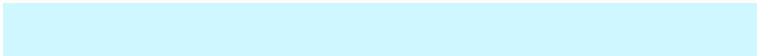
63.1028, 0.3842, 0.4044

# Sweetspot

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



63.1051, 0.2285, 0.2954



86.8647, 0.2836, 0.3205



73.1524, 0.2933, 0.5062



18.2140, 0.2794, 0.3190



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

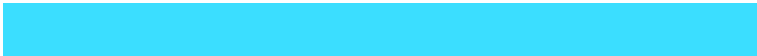


# Same Dimension

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



63.1051, 0.2285, 0.2954



60.4164, 0.2187, 0.2874



29.4089, 0.2030, 0.1868



19.0838, 0.2980, 0.3249



27.7915, 0.2096, 0.2745



2.7010, 0.2116, 0.2817



# Inverse Universe

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



33.6191, 0.3467, 0.2028



29.6295, 0.3554, 0.1881



61.9974, 0.4361, 0.4339



17.4716, 0.3164, 0.3095



13.2165, 0.3685, 0.1804

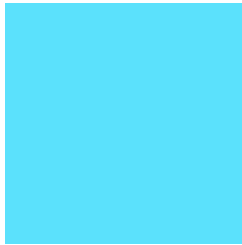


1.2369, 0.3619, 0.1767



# Previews

## White Background



This preview shows how the Yxy color 63.1028, 0.2285, 0.2954 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

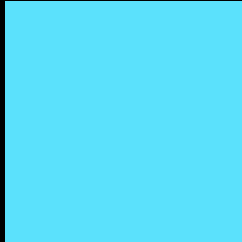
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.1028, 0.2285, 0.2954 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

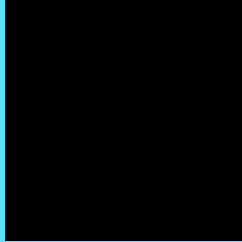
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.1028, 0.2285, 0.2954**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.1028, 0.2285, 0.2954.



This preview shows how white text looks on a background with the Yxy color 63.1028, 0.2285, 0.2954.

# 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

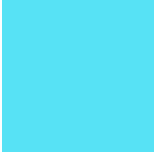
63.1028, 0.2285, 0.2954

### Protanopia

62.2532, 0.2877, 0.2919

### Deuteranopia

62.3494, 0.2771, 0.2721



## **Tritanopia**

63.0115, 0.2304, 0.3049

# Trichromacy



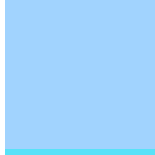
## Original Color

63.1028, 0.2285, 0.2954



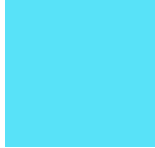
## Protanomaly

61.1351, 0.2600, 0.2921



## Deuteranomaly

61.3214, 0.2542, 0.2789



## Tritanomaly

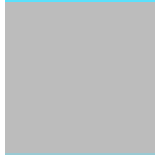
63.2447, 0.2295, 0.3013

# Monochromacy



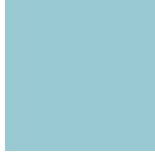
## Original Color

63.1028, 0.2285, 0.2954



## Achromatopsia

50.2886, 0.3127, 0.3290



## Achromatomaly

53.2487, 0.2717, 0.3160

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.1028, 0.2285, 0.2954 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, 225, 252)` looks like.

```
.text, #text, p{  
    color:rgb(91, 225, 252)  
}
```

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, 225, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 225, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 63.1028, 0.2285, 0.2954 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, 225, 252) }
```

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

```
.border{ border-color:rgb(91, 225, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 225, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 225, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 225, 252);  
box-shadow:4px 4px 4px 4px rgb(91, 225,  
252) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.1028, 0.2285, 0.2954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 225, 252) }
```

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

```
.background{ background-color: rgb(91, 225,  
252) }
```

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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