

# Converting Colors

$Y_{xy}(55.8899, 0.2285, 0.2870)$

Have a look what the booklet for  
Yxy(55.8899, 0.2285, 0.2870)  
contains.

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# Color

**Yxy(55.9983, 0.2287, 0.2879)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5ED4F4
RGB	94, 212, 244
RGB Percent	37%, 83%, 96%
CMY	0.6314, 0.1686, 0.0433
CMYK	0.61, 0.13, 0.00, 0.04
HSL	193°, 87%, 66%
HSV	193°, 61%, 96%
XYZ	44.4835, 55.9983, 94.0242
YIQ	180.3660, -80.6000, -15.0640

# Conversions

## Conversions Part 2

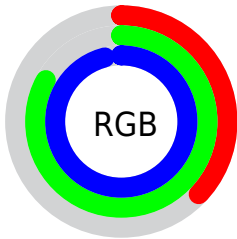
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	94, 160, 244
Decimal	6214900
CIE Lab	79.61, -23.92, -25.60
CIE LCh	80, 35.041, 226.944
Yxy	55.9983, 0.2287, 0.2879
Android (android.graphics.Color)	4284404980 (0xFF5ED4F4)
YUV	180.3660, 31.3716, -75.7430
Hunter-Lab	74.8320, -24.8475, -22.1137

# Details

The Yxy color **55.9983, 0.2287, 0.2879** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **34.9450, 0.4843, 0.3618**, and the grayscale version is **45.7090, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9081, 0.2592, 0.3288**, and **27.7448, 0.2099, 0.2755** is the 20% darker color. If you saturate the color by 10%, you get **52.3504, 0.2198, 0.2800**, and if you desaturate by 10%, it is **60.1414, 0.2394, 0.2956**.

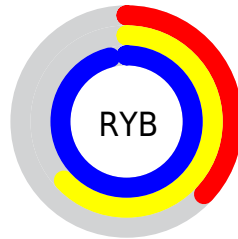
# Distribution



Red (37%)

Green (83%)

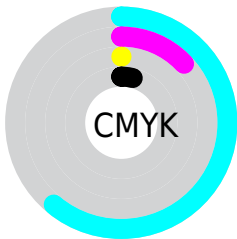
Blue (96%)



Red (37%)

Yellow (63%)

Blue (96%)

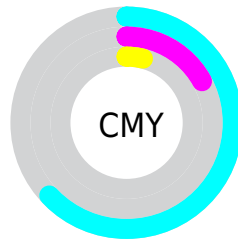


Cyan (61%)

Magenta (13%)

Yellow (0%)

Black (4%)



Cyan (63%)

Magenta (17%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.9983, 0.2287, 0.2879 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 55.9983, 0.2287, 0.2879 by changing the saturation by 10% instead.




 55.9983, 0.2287,  
0.2879

 55.9983, 0.2287,  
0.2879


409.6851, 0.2679,  
0.3087

 40.2016, 0.2198,  
0.2827


 99.0021, 0.2423,  
0.2955


 27.6957, 0.2088,  
0.2762


 126.9779, 0.2476,  
0.2983

 18.0964, 0.1951,  
0.2676


 159.7823, 0.2521,  
0.3007

 11.0192, 0.1774,  
0.2559

 197.7995, 0.2561,  
0.3028

 6.0798, 0.1541,  
0.2392

241.4140, 0.2596,  
0.3045

 2.8937, 0.1224,  
0.2141

291.0101, 0.2627,

 1.0765, 0.0698,

0.3061

0.1757

346.9724, 0.2654,  
0.3075

0.0000, 0.0000,  
0.0000

55.9983, 0.2287,  
0.2879

55.9983, 0.2287,  
0.2879

52.3504, 0.2198,  
0.2800

60.1414, 0.2394,  
0.2956

49.1509, 0.2129,  
0.2721

64.8090, 0.2517,  
0.3030

46.3531, 0.2079,  
0.2643

70.0350, 0.2653,  
0.3100

44.2195, 0.2049,  
0.2576

75.8484, 0.2799,  
0.3166

82.2758, 0.2950,  
0.3227

89.3424, 0.3104,  
0.3282

95.1706, 0.3196,  
0.3333

98.4188, 0.3192,  
0.3383

99.3096, 0.3191,  
0.3396

# Harmonies

## Analogous

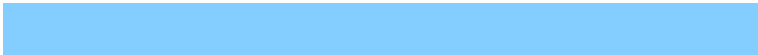
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.9983, 0.2423, 0.3289



55.9983, 0.2287, 0.2879



55.9983, 0.2353, 0.2624

# Triad

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



55.9983, 0.2287, 0.2879



55.9983, 0.3488, 0.2890



55.9983, 0.3625, 0.4112

# Complementary

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



55.9983, 0.2287, 0.2879



34.9450, 0.4843, 0.3618

# 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.



55.9983, 0.3948, 0.3923



55.9983, 0.2287, 0.2879



55.9983, 0.3876, 0.3225

# Square

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



55.9983, 0.2287, 0.2879



55.9983, 0.3018, 0.2650



55.9983, 0.4047, 0.3595



55.9983, 0.3182, 0.4058



# Rectangle

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



55.9983, 0.2287, 0.2879



55.9983, 0.2504, 0.2555



55.9983, 0.4047, 0.3595



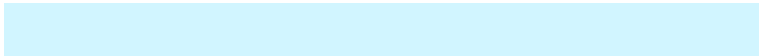
55.9983, 0.3751, 0.4071

# Sweetspot

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



56.0004, 0.2287, 0.2879



86.2273, 0.2850, 0.3188



68.5155, 0.2915, 0.4920



18.0256, 0.2806, 0.3169



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.



56.0004, 0.2287, 0.2879



56.8823, 0.2177, 0.2779



27.3706, 0.2055, 0.1865



18.1232, 0.2980, 0.3238



24.2585, 0.2053, 0.2589



2.2780, 0.2080, 0.2687



# Inverse Universe

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



31.9857, 0.3526, 0.2121



30.0871, 0.3634, 0.1972



60.8706, 0.4273, 0.4354



16.7043, 0.3171, 0.3106



12.5483, 0.3835, 0.1886

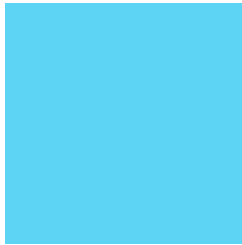


1.1176, 0.3741, 0.1834



# Previews

## White Background



This preview shows how the Yxy color 55.9983, 0.2287, 0.2879 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

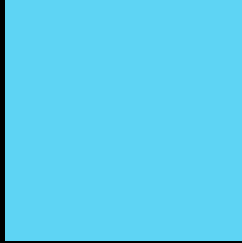
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.9983, 0.2287, 0.2879 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 55.9983, 0.2287, 0.2879**

## Background



This preview shows how black text looks on a background with the Yxy color 55.9983, 0.2287, 0.2879.

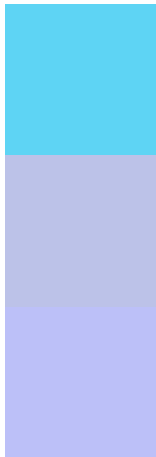


This preview shows how white text looks on a background with the Yxy color 55.9983, 0.2287, 0.2879.

# 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

55.9983, 0.2287, 0.2879

### Protanopia

55.1011, 0.2817, 0.2843

### Deuteranopia

55.1680, 0.2716, 0.2650



## Tritanopia

55.9374, 0.2327, 0.3064

# Trichromacy



## Original Color

55.9983, 0.2287, 0.2879

## Protanomaly

54.6994, 0.2579, 0.2858

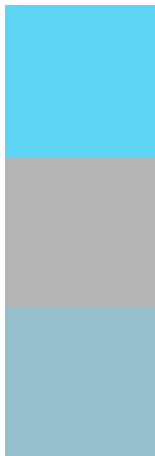
## Deuteranomaly

54.4323, 0.2517, 0.2711

## Tritanomaly

55.8183, 0.2310, 0.2988

# Monochromacy



## Original Color

55.9983, 0.2287, 0.2879

## Achromatopsia

45.6411, 0.3127, 0.3290

## Achromatomaly

48.4006, 0.2728, 0.3142

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.9983, 0.2287, 0.2879 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(94, 212, 244)` looks like.

```
.text, #text, p{  
    color:rgb(94, 212, 244)  
}
```

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(94, 212, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 212, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 55.9983, 0.2287, 0.2879 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(94, 212, 244) }
```

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

```
.border{ border-color:rgb(94, 212, 244) }
```

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

Here you see how a box with a 4 pixel rgb(94, 212, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 212, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 212, 244);  
box-shadow:4px 4px 4px 4px rgb(94, 212,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.9983, 0.2287, 0.2879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 212, 244) }
```

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

```
.background{ background-color: rgb(94, 212,  
244) }
```

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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