

# Converting Colors

$Yxy(56.1561, 0.2262, 0.2802)$

Have a look what the booklet for  
Yxy(56.1561, 0.2262, 0.2802)  
contains.

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# Color

**Yxy(56.3688, 0.2263, 0.2808)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5ED4FA
RGB	94, 212, 250
RGB Percent	37%, 83%, 98%
CMY	0.6308, 0.1687, 0.0195
CMYK	0.62, 0.15, 0.00, 0.02
HSL	195°, 94%, 67%
HSV	195°, 62%, 98%
XYZ	45.4283, 56.3688, 98.9465
YIQ	181.0500, -82.5260, -13.1980

# Conversions

## Conversions Part 2

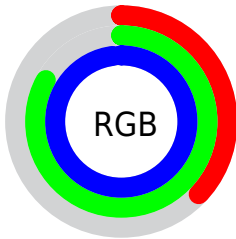
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	94, 161, 250
Decimal	6214906
CIE <sub>Lab</sub>	79.82, -22.10, -28.51
CIE <sub>LCh</sub>	80, 36.072, 232.216
Yxy	56.3688, 0.2263, 0.2808
Android (android.graphics.Color)	4284404986 (0xFF5ED4FA)
YUV	181.0500, 33.9924, -76.3428
Hunter-Lab	75.0792, -23.3832, -25.5826

# Details

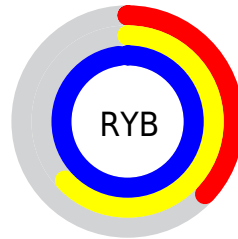
The Yxy color **56.3688, 0.2263, 0.2808** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **37.6920, 0.4843, 0.3670**, and the grayscale version is **46.1045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9081, 0.2592, 0.3288**, and **27.9642, 0.2078, 0.2680** is the 20% darker color. If you saturate the color by 10%, you get **52.2611, 0.2171, 0.2717**, and if you desaturate by 10%, it is **61.0240, 0.2373, 0.2897**.

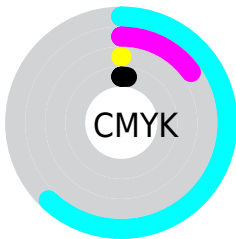
# Distribution



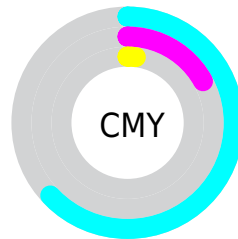
- Red (37%)
- Green (83%)
- Blue (98%)



- Red (37%)
- Yellow (63%)
- Blue (98%)



- Cyan (62%)
- Magenta (15%)
- Yellow (0%)
- Black (2%)




- Cyan (63%)
- Magenta (17%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.3688, 0.2263, 0.2808 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 56.3688, 0.2263, 0.2808 by changing the saturation by 10% instead.





 56.3688, 0.2263,  
0.2808


 56.3688, 0.2263,  
0.2808


411.0799, 0.2664,  
0.3049


 40.4987, 0.2172,  
0.2749

 99.5436, 0.2402,  
0.2895


 27.9276, 0.2061,  
0.2675


 127.6171, 0.2456,  
0.2927

 18.2711, 0.1922,  
0.2579


 160.5271, 0.2503,  
0.2955

 11.1448, 0.1743,  
0.2449

 198.6582, 0.2543,  
0.2979

 6.1643, 0.1510,  
0.2268

242.3945, 0.2579,  
0.3000

 2.9452, 0.1197,  
0.2001

292.1207, 0.2611,

 1.1032, 0.0716,

0.3018

0.1599

348.2210, 0.2639,  
0.3034

■ 0.0000, 0.0000,  
0.0000

■ 56.3688, 0.2263,  
0.2808

■ 56.3688, 0.2263,  
0.2808

■ 52.2611, 0.2171,  
0.2717

■ 61.0240, 0.2373,  
0.2897

■ 48.6504, 0.2099,  
0.2625

■ 66.2591, 0.2499,  
0.2984

■ 45.4856, 0.2047,  
0.2533

■ 72.1105, 0.2637,  
0.3065

■ 43.3036, 0.2018,  
0.2464

■ 78.6097, 0.2784,  
0.3142

■ 85.7858, 0.2936,  
0.3212

93.6656, 0.3091,  
0.3276

99.4886, 0.3156,  
0.3335

99.6836, 0.3156,  
0.3338

# Harmonies

## Analogous

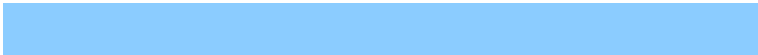
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.3688, 0.2366, 0.3206



56.3688, 0.2263, 0.2808



56.3688, 0.2366, 0.2580

# Triad

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



56.3688, 0.2263, 0.2808



56.3688, 0.3578, 0.2935



56.3688, 0.3562, 0.4145

# Complementary

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



56.3688, 0.2263, 0.2808



37.6920, 0.4843, 0.3670

# 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.



56.3688, 0.3925, 0.3986



56.3688, 0.2263, 0.2808



56.3688, 0.3947, 0.3288

# Square

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



56.3688, 0.2263, 0.2808



56.3688, 0.3098, 0.2668



56.3688, 0.4074, 0.3665



56.3688, 0.3099, 0.4041



# Rectangle

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



56.3688, 0.2263, 0.2808



56.3688, 0.2543, 0.2532



56.3688, 0.4074, 0.3665



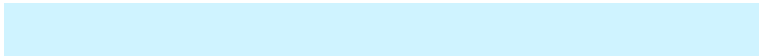
56.3688, 0.3701, 0.4117

# Sweetspot

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



56.3709, 0.2263, 0.2808



84.6278, 0.2834, 0.3166



72.3989, 0.2892, 0.4882



17.6676, 0.2791, 0.3145



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.



56.3709, 0.2263, 0.2808



53.5745, 0.2149, 0.2691



26.8191, 0.2023, 0.1770



18.8488, 0.2980, 0.3231



23.2018, 0.2022, 0.2479



2.3139, 0.2052, 0.2588



# Inverse Universe

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



33.1127, 0.3588, 0.2147



29.4690, 0.3715, 0.2009



66.4738, 0.4256, 0.4412



17.4479, 0.3175, 0.3112



12.7531, 0.3943, 0.1946

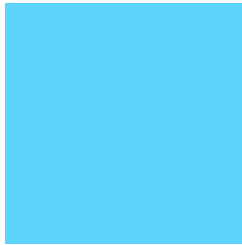


1.1978, 0.3836, 0.1887



# Previews

## White Background



This preview shows how the Yxy color 56.3688, 0.2263, 0.2808 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

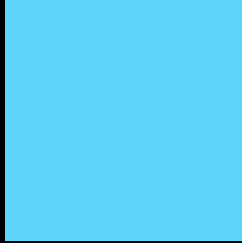
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.3688, 0.2263, 0.2808 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

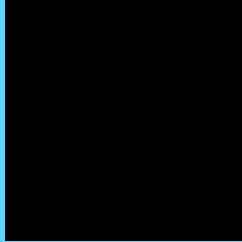
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.3688, 0.2263, 0.2808**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.3688, 0.2263, 0.2808.



This preview shows how white text looks on a background with the Yxy color 56.3688, 0.2263, 0.2808.

# 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

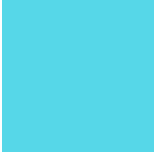
56.3688, 0.2263, 0.2808

### Protanopia

55.7681, 0.2773, 0.2789

### Deuteranopia

55.6100, 0.2661, 0.2598



## **Tritanopia**

56.4055, 0.2320, 0.3064

# Trichromacy



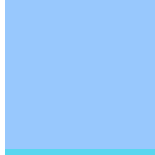
## Original Color

56.3688, 0.2263, 0.2808



## Protanomaly

54.9564, 0.2541, 0.2790



## Deuteranomaly

55.0758, 0.2477, 0.2657



## Tritanomaly

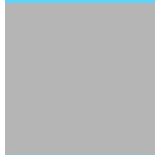
56.4490, 0.2297, 0.2964

# Monochromacy



## Original Color

56.3688, 0.2263, 0.2808



## Achromatopsia

46.2077, 0.3127, 0.3290



## Achromatomaly

48.5451, 0.2709, 0.3103

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.3688, 0.2263, 0.2808 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(94, 212, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 212, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 56.3688, 0.2263, 0.2808 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, 250) }
```

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

```
.border{ border-color:rgb(94, 212, 250) }
```

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, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 212, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 212, 250);  
box-shadow:4px 4px 4px 4px rgb(94, 212,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.3688, 0.2263, 0.2808 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, 250) }
```

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

```
.background{ background-color: rgb(94, 212,  
250) }
```

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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