

# Converting Colors

$Yxy(55.8111, 0.2307, 0.2927)$

Have a look what the booklet for  
Yxy(55.8111, 0.2307, 0.2927)  
contains.

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# Color

**Yxy(55.8111, 0.2307, 0.2927)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5FD4F0
RGB	95, 212, 240
RGB Percent	37%, 83%, 94%
CMY	0.6274, 0.1686, 0.0589
CMYK	0.60, 0.12, 0.00, 0.06
HSL	192°, 83%, 66%
HSV	192°, 60%, 94%
XYZ	43.9891, 55.8111, 90.8766
YIQ	180.2090, -78.7200, -16.0960

# Conversions

## Conversions Part 2

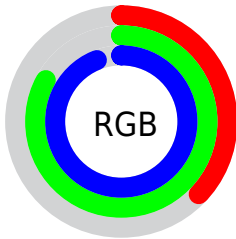
Format	Color
R <sub>Y</sub> B	95, 160, 240
Decimal	6280432
CIE Lab	79.51, -24.91, -23.64
CIE LCh	80, 34.339, 223.503
Yxy	55.8111, 0.2307, 0.2927
Android (android.graphics.Color)	4284470512 (0xFF5FD4F0)
YUV	180.2090, 29.4770, -74.7283
Hunter-Lab	74.7068, -25.6319, -19.8281

# Details

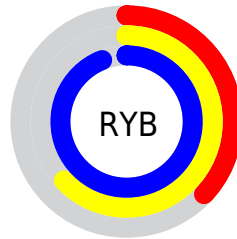
The Yxy color **55.8111, 0.2307, 0.2927** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **33.5123, 0.4820, 0.3584**, and the grayscale version is **45.6328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9081, 0.2592, 0.3288**, and **27.5746, 0.2116, 0.2818** is the 20% darker color. If you saturate the color by 10%, you get **52.4372, 0.2219, 0.2857**, and if you desaturate by 10%, it is **59.6513, 0.2413, 0.2996**.

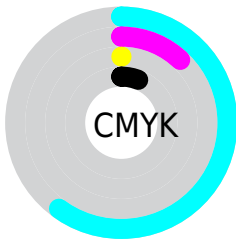
# Distribution



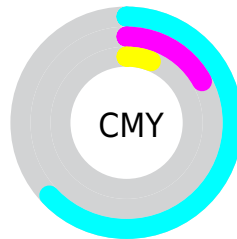
- Red (37%)
- Green (83%)
- Blue (94%)



- Red (37%)
- Yellow (63%)
- Blue (94%)



- Cyan (60%)
- Magenta (12%)
- Yellow (0%)
- Black (6%)




- Cyan (63%)
- Magenta (17%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.8111, 0.2307, 0.2927 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 55.8111, 0.2307, 0.2927 by changing the saturation by 10% instead.




 55.8111, 0.2307,  
0.2927

 55.8111, 0.2307,  
0.2927


408.9792, 0.2690,  
0.3112

 40.0515, 0.2219,  
0.2881


 98.7283, 0.2440,  
0.2995

 27.5787, 0.2112,  
0.2821


 126.6547, 0.2492,  
0.3020

 18.0083, 0.1976,  
0.2743

 159.4055, 0.2537,  
0.3041

 10.9560, 0.1801,  
0.2635

 197.3651, 0.2575,  
0.3060

 6.0372, 0.1569,  
0.2480

240.9179, 0.2609,  
0.3076

 2.8677, 0.1251,  
0.2243

290.4482, 0.2639,

 1.0631, 0.0693,

0.3089

0.1877

346.3405, 0.2666,  
0.3102

■ 0.0000, 0.0000,  
0.0000

■ 55.8111, 0.2307,  
0.2927

■ 55.8111, 0.2307,  
0.2927

■ 52.4372, 0.2219,  
0.2857

■ 59.6513, 0.2413,  
0.2996

■ 49.4851, 0.2150,  
0.2786

■ 63.9850, 0.2536,  
0.3062

■ 46.9114, 0.2101,  
0.2715

■ 68.8443, 0.2671,  
0.3125

■ 44.7261, 0.2069,  
0.2648

■ 74.2565, 0.2815,  
0.3184

■ 80.2471, 0.2966,  
0.3238

86.8397, 0.3121,  
0.3288

92.5069, 0.3223,  
0.3333

95.3357, 0.3219,  
0.3378

98.2350, 0.3216,  
0.3422

# Harmonies

## Analogous

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



55.8111, 0.2464, 0.3341



55.8111, 0.2307, 0.2927



55.8111, 0.2349, 0.2655

# Triad

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



55.8111, 0.2307, 0.2927



55.8111, 0.3429, 0.2864



55.8111, 0.3661, 0.4085

# Complementary

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



55.8111, 0.2307, 0.2927



33.5123, 0.4820, 0.3584

# 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.



55.8111, 0.3956, 0.3880



55.8111, 0.2307, 0.2927



55.8111, 0.3827, 0.3186

# Square

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



55.8111, 0.2307, 0.2927



55.8111, 0.2969, 0.2642



55.8111, 0.4023, 0.3549



55.8111, 0.3233, 0.4062



# Rectangle

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



55.8111, 0.2307, 0.2927



55.8111, 0.2484, 0.2574



55.8111, 0.4023, 0.3549



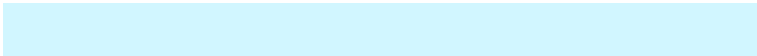
55.8111, 0.3779, 0.4038

# Sweetspot

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



55.8132, 0.2307, 0.2927



86.7878, 0.2850, 0.3197



66.1379, 0.2927, 0.4918



18.1638, 0.2807, 0.3181



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.



55.8132, 0.2307, 0.2927



59.5345, 0.2205, 0.2844



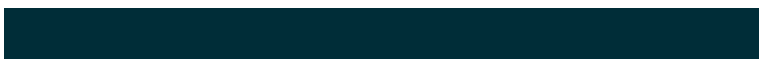
27.7503, 0.2082, 0.1928



17.3802, 0.2981, 0.3243



24.6764, 0.2072, 0.2660



2.1842, 0.2098, 0.2752



# Inverse Universe

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



31.4628, 0.3484, 0.2112



30.9620, 0.3574, 0.1963



57.9656, 0.4268, 0.4317



15.9760, 0.3167, 0.3101



12.2844, 0.3767, 0.1849

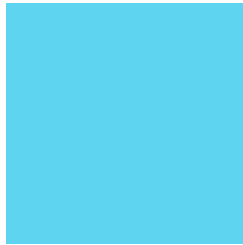


1.0352, 0.3679, 0.1801



# Previews

## White Background



This preview shows how the Yxy color 55.8111, 0.2307, 0.2927 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

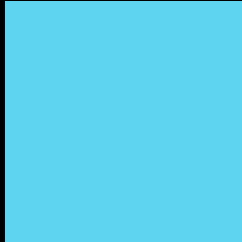
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.8111, 0.2307, 0.2927 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

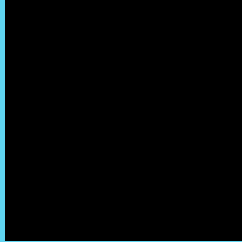
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.8111, 0.2307, 0.2927**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.8111, 0.2307, 0.2927.

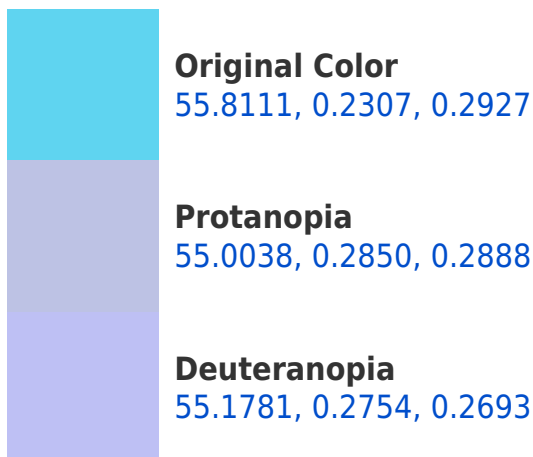


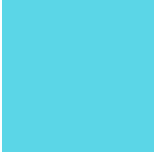
This preview shows how white text looks on a background with the Yxy color 55.8111, 0.2307, 0.2927.

# 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





## **Tritanopia**

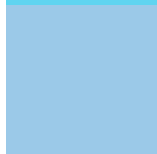
56.0868, 0.2337, 0.3064

# Trichromacy



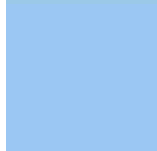
## Original Color

55.8111, 0.2307, 0.2927



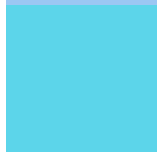
## Protanomaly

54.5680, 0.2607, 0.2905



## Deuteranomaly

54.2865, 0.2544, 0.2755



## Tritanomaly

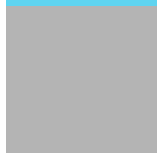
55.8043, 0.2325, 0.3013

# Monochromacy



## Original Color

55.8111, 0.2307, 0.2927



## Achromatopsia

45.6411, 0.3127, 0.3290



## Achromatomaly

48.3531, 0.2734, 0.3155

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.8111, 0.2307, 0.2927 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(95, 212, 240)` looks like.

```
.text, #text, p{  
    color:rgb(95, 212, 240)  
}
```

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(95, 212, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 212, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 55.8111, 0.2307, 0.2927 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(95, 212, 240) }
```

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

```
.border{ border-color:rgb(95, 212, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 212, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 212, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 212, 240);  
box-shadow:4px 4px 4px 4px rgb(95, 212,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.8111, 0.2307, 0.2927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 212, 240) }
```

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

```
.background{ background-color: rgb(95, 212,  
240) }
```

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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