

# Converting Colors

$Yxy(51.5071, 0.2187, 0.2819)$

Have a look what the booklet for  
Yxy(51.5071, 0.2187, 0.2819)  
contains.

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# Color

**Yxy(51.5176, 0.2188, 0.2823)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3ECEF1
RGB	62, 206, 241
RGB Percent	24%, 81%, 95%
CMY	0.7571, 0.1921, 0.0550
CMYK	0.74, 0.15, 0.00, 0.05
HSL	192°, 86%, 59%
HSV	192°, 74%, 95%
XYZ	39.9293, 51.5176, 91.0455
YIQ	166.9340, -97.0590, -19.6430

# Conversions

## Conversions Part 2

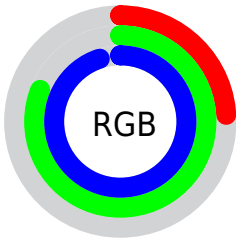
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	62, 142, 241
Decimal	4116209
CIE Lab	76.99, -26.35, -28.09
CIE LCh	77, 38.516, 226.830
Yxy	51.5176, 0.2188, 0.2823
Android (android.graphics.Color)	4282306289 (0xFF3ECE F1)
YUV	166.9340, 36.5145, -92.0271
Hunter-Lab	71.7758, -26.3068, -24.9646

# Details

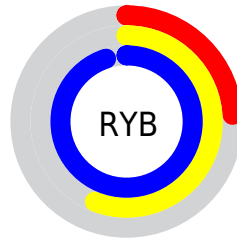
The Yxy color **51.5176, 0.2188, 0.2823** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **27.5773, 0.5400, 0.3597**, and the grayscale version is **38.4557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8083, 0.2497, 0.3288**, and **25.6360, 0.2081, 0.2691** is the 20% darker color. If you saturate the color by 10%, you get **48.6736, 0.2127, 0.2751**, and if you desaturate by 10%, it is **54.7781, 0.2269, 0.2895**.

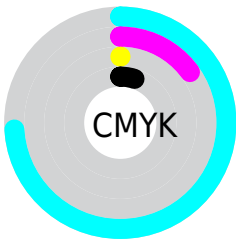
# Distribution



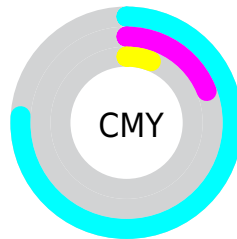
- Red (24%)
- Green (81%)
- Blue (95%)



- Red (24%)
- Yellow (56%)
- Blue (95%)



- Cyan (74%)
- Magenta (15%)
- Yellow (0%)
- Black (5%)




- Cyan (76%)
- Magenta (19%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.5176, 0.2188, 0.2823 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 51.5176, 0.2188, 0.2823 by changing the saturation by 10% instead.





 51.5176, 0.2188,  
0.2823


 51.5176, 0.2188,  
0.2823


392.5714, 0.2629,  
0.3063

 36.6207, 0.2087,  
0.2763


 92.4194, 0.2341,  
0.2911

 24.9140, 0.1963,  
0.2685

 119.1931, 0.2401,  
0.2944

 16.0130, 0.1808,  
0.2583


 150.6946, 0.2452,  
0.2971

 9.5333, 0.1608,  
0.2444

 187.3081, 0.2497,  
0.2995

 5.0907, 0.1347,  
0.2245

229.4182, 0.2536,  
0.3016

 2.3006, 0.0999,  
0.1944

277.4092, 0.2571,

 0.7740, 0.0181,

0.3033

0.1519

331.6655, 0.2602,  
0.3049

0.0000, 0.0000,  
0.0000

51.5176, 0.2188,  
0.2823

51.5176, 0.2188,  
0.2823

48.6736, 0.2127,  
0.2751

54.7781, 0.2269,  
0.2895

46.1905, 0.2085,  
0.2680

58.4906, 0.2369,  
0.2965

44.8948, 0.2067,  
0.2640

62.6926, 0.2486,  
0.3034

67.4155, 0.2616,  
0.3099

72.6881, 0.2758,  
0.3160

■ 78.5367, 0.2907,  
0.3217

■ 84.9858, 0.3061,  
0.3269

■ 92.0583, 0.3216,  
0.3316

■ 94.9754, 0.3214,  
0.3362

# Harmonies

## Analogous

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



51.5176, 0.2338, 0.3285



51.5176, 0.2188, 0.2823



51.5176, 0.2260, 0.2541

# Triad

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



51.5176, 0.2188, 0.2823



51.5176, 0.3531, 0.2840



51.5176, 0.3684, 0.4218

# Complementary

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



51.5176, 0.2188, 0.2823



27.5773, 0.5400, 0.3597

# 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.



51.5176, 0.4051, 0.3994



51.5176, 0.2188, 0.2823



51.5176, 0.3973, 0.3211

# Square

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



51.5176, 0.2188, 0.2823



51.5176, 0.2999, 0.2575



51.5176, 0.4166, 0.3621



51.5176, 0.3185, 0.4167



# Rectangle

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



51.5176, 0.2188, 0.2823



51.5176, 0.2427, 0.2468



51.5176, 0.4166, 0.3621



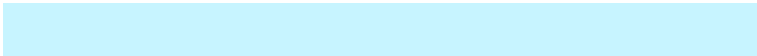
51.5176, 0.3828, 0.4168

# Sweetspot

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



51.5195, 0.2188, 0.2823



84.0751, 0.2791, 0.3173



64.7453, 0.2918, 0.5323



17.6244, 0.2751, 0.3157



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

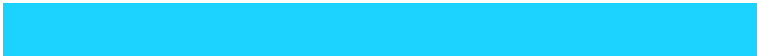


# Same Dimension

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



51.5195, 0.2188, 0.2823



53.8922, 0.2103, 0.2716



20.4782, 0.1867, 0.1566



17.3736, 0.2981, 0.3243



24.5414, 0.2070, 0.2652



2.1741, 0.2096, 0.2745



# Inverse Universe

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



26.5927, 0.3595, 0.1946



26.7795, 0.3709, 0.1861



53.4445, 0.4536, 0.4462



15.9754, 0.3168, 0.3102



12.2708, 0.3774, 0.1853

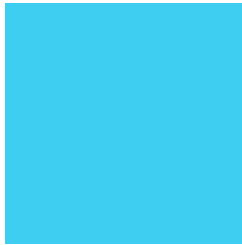


1.0342, 0.3686, 0.1804



# Previews

## White Background



This preview shows how the Yxy color 51.5176, 0.2188, 0.2823 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

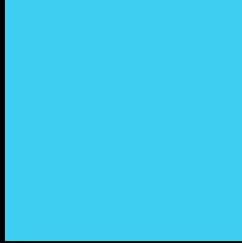
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.5176, 0.2188, 0.2823 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

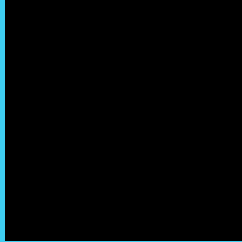
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.5176, 0.2188, 0.2823**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.5176, 0.2188, 0.2823.

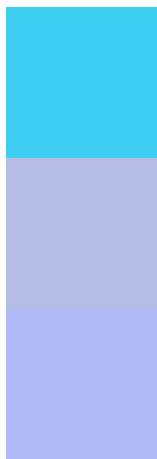


This preview shows how white text looks on a background with the Yxy color 51.5176, 0.2188, 0.2823.

# 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

51.5176, 0.2188, 0.2823

### Protanopia

50.8454, 0.2780, 0.2794

### Deuteranopia

50.5819, 0.2638, 0.2572



## **Tritanopia**

51.7449, 0.2230, 0.3053

# Trichromacy



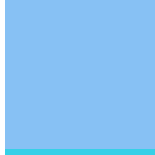
## Original Color

51.5176, 0.2188, 0.2823



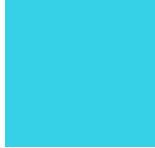
## Protanomaly

49.7851, 0.2483, 0.2790



## Deuteranomaly

49.8225, 0.2414, 0.2650



## Tritanomaly

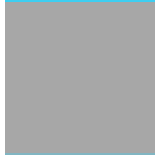
51.6655, 0.2216, 0.2974

# Monochromacy



## Original Color

51.5176, 0.2188, 0.2823



## Achromatopsia

38.6429, 0.3127, 0.3290



## Achromatomaly

41.6099, 0.2633, 0.3102

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.5176, 0.2188, 0.2823 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(62, 206, 241)` looks like.

```
.text, #text, p{  
    color:rgb(62, 206, 241)  
}
```

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(62, 206, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 206, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 51.5176, 0.2188, 0.2823 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(62, 206, 241) }
```

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

```
.border{ border-color:rgb(62, 206, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 206, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 206, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 206, 241);  
box-shadow:4px 4px 4px 4px rgb(62, 206,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.5176, 0.2188, 0.2823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 206, 241) }
```

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

```
.background{ background-color: rgb(62, 206,  
241) }
```

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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