

Converting Colors

$Yxy(51.9317, 0.2326, 0.3057)$

Have a look what the booklet for
Yxy(51.9317, 0.2326, 0.3057)
contains.

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Color

Yxy(51.9388, 0.2325, 0.3057)

Conversions

Conversions Part 1

Format	Color
Hex	55CFE0
RGB	85, 207, 224
RGB Percent	33%, 81%, 88%
CMY	0.6673, 0.1882, 0.1216
CMYK	0.62, 0.08, 0.00, 0.12
HSL	187°, 69%, 61%
HSV	187°, 62%, 88%
XYZ	39.5020, 51.9388, 78.4604
YIQ	172.4600, -78.1690, -20.5770

Conversions

Conversions Part 2

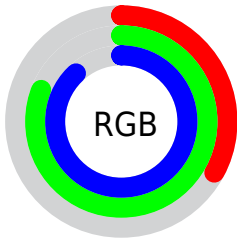
Format	Color
R _Y B	85, 150, 224
Decimal	5623776
CIE Lab	77.24, -28.78, -18.54
CIE LCh	77, 34.236, 212.787
Yxy	51.9388, 0.2325, 0.3057
Android (android.graphics.Color)	4283813856 (0xFF55CFE0)
YUV	172.4600, 25.4092, -76.7024
Hunter-Lab	72.0686, -28.2811, -14.1005

Details

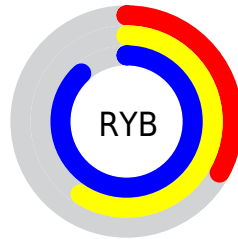
The Yxy color **51.9388, 0.2325, 0.3057** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **25.9673, 0.4968, 0.3477**, and the grayscale version is **41.3789, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0359, 0.2553, 0.3288**, and **25.3210, 0.2159, 0.2973** is the 20% darker color. If you saturate the color by 10%, you get **49.7424, 0.2250, 0.3014**, and if you desaturate by 10%, it is **54.4935, 0.2419, 0.3099**.

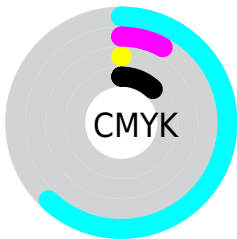
Distribution



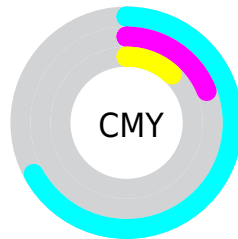
- Red (33%)
- Green (81%)
- Blue (88%)



- Red (33%)
- Yellow (59%)
- Blue (88%)



- Cyan (62%)
- Magenta (8%)
- Yellow (0%)
- Black (12%)





- Cyan (67%)
- Magenta (19%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.9388, 0.2325, 0.3057 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 51.9388, 0.2325, 0.3057 by changing the saturation by 10% instead.


 51.9388, 0.2325,
0.3057

 51.9388, 0.2325,
0.3057


394.2003, 0.2706,
0.3182


 36.9563, 0.2236,
0.3024


 93.0410, 0.2459,
0.3104


 25.1737, 0.2126,
0.2980


 119.9294, 0.2510,
0.3121

 16.2065, 0.1986,
0.2921


 151.5553, 0.2555,
0.3136

 9.6704, 0.1803,
0.2836

 188.3031, 0.2593,
0.3148

 5.1810, 0.1555,
0.2707

230.5571, 0.2626,
0.3159

 2.3538, 0.1210,
0.2494

278.7016, 0.2656,

 0.8020, 0.0166,

0.3168

0.2226

333.1213, 0.2682,
0.3175

■ 0.0000, 0.0000,
0.0000

■ 51.9388, 0.2325,
0.3057

■ 51.9388, 0.2325,
0.3057

■ 49.7424, 0.2250,
0.3014

■ 54.4935, 0.2419,
0.3099

■ 47.8658, 0.2194,
0.2971

■ 57.4290, 0.2530,
0.3141

■ 46.2716, 0.2157,
0.2929

■ 60.7729, 0.2656,
0.3180

■ 45.1640, 0.2138,
0.2895

■ 64.5481, 0.2794,
0.3217

■ 68.7762, 0.2941,
0.3252

■ 73.4768, 0.3094,
0.3284

■ 78.6687, 0.3250,
0.3313

■ 82.6145, 0.3342,
0.3339

■ 84.1376, 0.3338,
0.3366

Harmonies

Analogous

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



51.9388, 0.2553, 0.3508



51.9388, 0.2325, 0.3057



51.9388, 0.2295, 0.2721

Triad

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



51.9388, 0.2325, 0.3057



51.9388, 0.3267, 0.2761



51.9388, 0.3800, 0.4049

Complementary

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



51.9388, 0.2325, 0.3057



25.9673, 0.4968, 0.3477

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.



51.9388, 0.4029, 0.3779



51.9388, 0.2325, 0.3057



51.9388, 0.3714, 0.3058

Square

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



51.9388, 0.2325, 0.3057



51.9388, 0.2810, 0.2582



51.9388, 0.4001, 0.3421



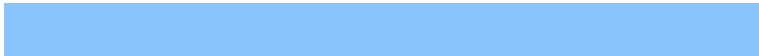
51.9388, 0.3398, 0.4120

Rectangle

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



51.9388, 0.2325, 0.3057



51.9388, 0.2387, 0.2594



51.9388, 0.4001, 0.3421



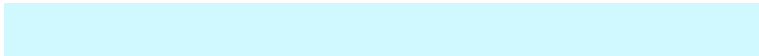
51.9388, 0.3901, 0.3975

Sweetspot

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



51.9407, 0.2325, 0.3057



88.2272, 0.2838, 0.3228



56.1742, 0.2967, 0.5090



18.5477, 0.2796, 0.3218



0.0000, 0.0000, 0.0000



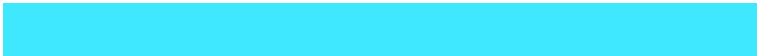
21.4041, 0.3127, 0.3290

Same Dimension

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



51.9407, 0.2325, 0.3057



65.8282, 0.2229, 0.2999



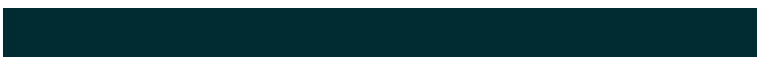
25.5356, 0.2089, 0.2028



15.2719, 0.2982, 0.3261



26.4041, 0.2139, 0.2902



1.9116, 0.2158, 0.2967

Inverse Universe

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



26.8249, 0.3379, 0.2003



30.7060, 0.3442, 0.1836



45.4953, 0.4371, 0.4242



13.9053, 0.3156, 0.3087



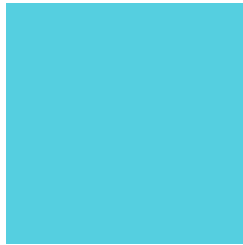
11.5736, 0.3542, 0.1725



0.8104, 0.3483, 0.1693

Previews

White Background



This preview shows how the Yxy color 51.9388, 0.2325, 0.3057 looks on a white background.

Color Contrast Check

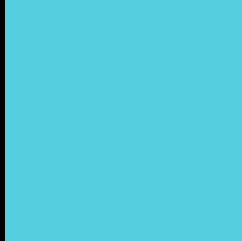
Large Text (above 18pt) WCAG AA × Fail

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 51.9388, 0.2325, 0.3057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

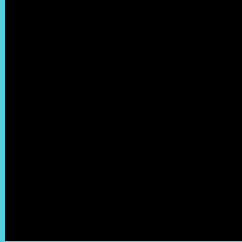
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.9388, 0.2325, 0.3057

Background



This preview shows how black text looks on a background with the Yxy color 51.9388, 0.2325, 0.3057.



This preview shows how white text looks on a background with the Yxy color 51.9388, 0.2325, 0.3057.

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

51.9388, 0.2325, 0.3057

Protanopia

51.1590, 0.2934, 0.2995

Deuteranopia

51.0464, 0.2831, 0.2767



Tritanopia

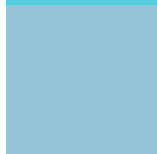
51.9388, 0.2325, 0.3057

Trichromacy



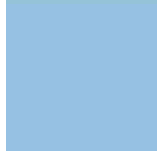
Original Color

51.9388, 0.2325, 0.3057



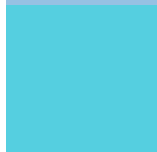
Protanomaly

50.3776, 0.2652, 0.3016



Deuteranomaly

50.1700, 0.2591, 0.2856



Tritanomaly

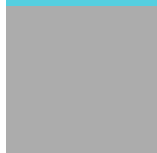
51.9388, 0.2325, 0.3057

Monochromacy



Original Color

51.9388, 0.2325, 0.3057



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

44.0350, 0.2734, 0.3205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9388, 0.2325, 0.3057 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(85, 207, 224)` looks like.

```
.text, #text, p{  
    color:rgb(85, 207, 224)  
}
```

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(85, 207, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 207, 224) }
```

Border

The CSS property to change the border of an element to Yxy 51.9388, 0.2325, 0.3057 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(85, 207, 224) }
```

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

```
.border{ border-color:rgb(85, 207, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 207, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 207, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 207, 224);  
box-shadow:4px 4px 4px 4px rgb(85, 207,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9388, 0.2325, 0.3057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 207, 224) }
```

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

```
.background{ background-color: rgb(85, 207,  
224) }
```

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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