

Converting Colors

$Y_{xy}(51.7968, 0.2104, 0.2652)$

Have a look what the booklet for
Yxy(51.7968, 0.2104, 0.2652)
contains.

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Color

Yxy(51.8981, 0.2105, 0.2654)

Conversions

Conversions Part 1

Format	Color
Hex	2CCEFF
RGB	44, 206, 255
RGB Percent	17%, 81%, 100%
CMY	0.8276, 0.1922, 0.0000
CMYK	0.83, 0.19, 0.00, 0.00
HSL	194°, 100%, 59%
HSV	194°, 83%, 100%
XYZ	41.1626, 51.8981, 102.4860
YIQ	163.1480, -112.2810, -19.1050

Conversions

Conversions Part 2

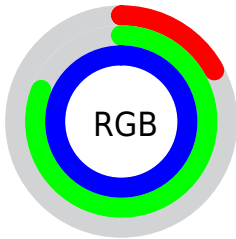
Format	Color
R_{YB}	44, 136, 255
Decimal	2936575
CIE _{Lab}	77.22, -23.52, -35.28
CIE _{LCh}	77, 42.401, 236.310
Yxy	51.8981, 0.2105, 0.2654
Android (android.graphics.Color)	4281126655 (0xFF2CCEFF)
YUV	163.1480, 45.2830, -104.4928
Hunter-Lab	72.0403, -24.0788, -33.9189

Details

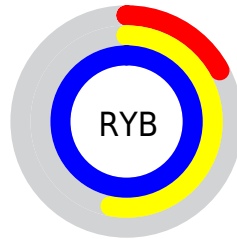
The Yxy color **51.8981, 0.2105, 0.2654** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **29.2625, 0.5666, 0.3636**, and the grayscale version is **36.5149, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1756, 0.2467, 0.3288**, and **26.5337, 0.2033, 0.2518** is the 20% darker color. If you saturate the color by 10%, you get **48.6988, 0.2056, 0.2568**, and if you desaturate by 10%, it is **55.5496, 0.2175, 0.2742**.

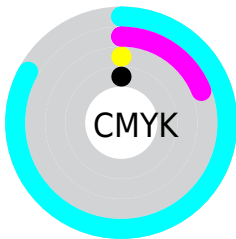
Distribution



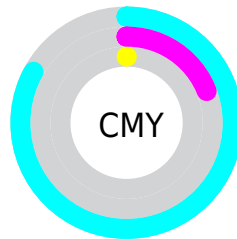
- Red (17%)
- Green (81%)
- Blue (100%)



- Red (17%)
- Yellow (53%)
- Blue (100%)



- Cyan (83%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)




- Cyan (83%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.8981, 0.2105, 0.2654 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 51.8981, 0.2105, 0.2654 by changing the saturation by 10% instead.


 51.8981, 0.2105,
0.2654


 51.8981, 0.2105,
0.2654


394.0431, 0.2580,
0.2973

 36.9239, 0.1998,
0.2577


 92.9809, 0.2269,
0.2769


 25.1485, 0.1868,
0.2479


 119.8583, 0.2333,
0.2812

 16.1878, 0.1706,
0.2353


 151.4722, 0.2389,
0.2849

 9.6571, 0.1501,
0.2185

 188.2070, 0.2437,
0.2881

 5.1722, 0.1239,
0.1954

230.4471, 0.2479,
0.2908

 2.3487, 0.0902,
0.1626

278.5769, 0.2517,

 0.7993, 0.0273,

0.2932

0.1176

332.9808, 0.2550,
0.2954

0.0000, 0.0000,
0.0000

51.8981, 0.2105,
0.2654

51.8981, 0.2105,
0.2654

48.6988, 0.2056,
0.2568

55.5496, 0.2175,
0.2742

46.6075, 0.2030,
0.2506

59.7114, 0.2264,
0.2828

64.4294, 0.2372,
0.2913

69.7442, 0.2495,
0.2995

75.6920, 0.2632,
0.3073

■ 82.3056, 0.2778,
0.3146

■ 89.6154, 0.2929,
0.3213

■ 97.6496, 0.3084,
0.3274

■ 100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



51.8981, 0.2189, 0.3103



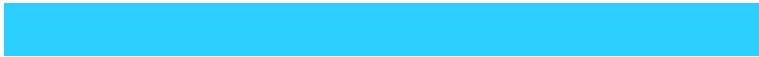
51.8981, 0.2105, 0.2654



51.8981, 0.2257, 0.2423

Triad

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



51.8981, 0.2105, 0.2654



51.8981, 0.3743, 0.2917



51.8981, 0.3567, 0.4333

Complementary

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



51.8981, 0.2105, 0.2654



29.2625, 0.5666, 0.3636

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.



51.8981, 0.4033, 0.4157



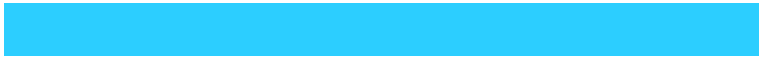
51.8981, 0.2105, 0.2654



51.8981, 0.4160, 0.3337

Square

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



51.8981, 0.2105, 0.2654



51.8981, 0.3167, 0.2588



51.8981, 0.4262, 0.3781



51.8981, 0.3008, 0.4169

Rectangle

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



51.8981, 0.2105, 0.2654



51.8981, 0.2482, 0.2392



51.8981, 0.4262, 0.3781



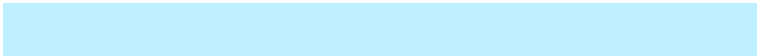
51.8981, 0.3740, 0.4307

Sweetspot

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



51.8975, 0.2105, 0.2654



80.7661, 0.2744, 0.3130



72.7873, 0.2904, 0.5471



16.7848, 0.2693, 0.3104



0.0000, 0.0000, 0.0000



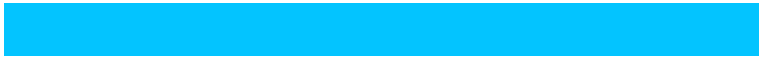
21.4041, 0.3127, 0.3290

Same Dimension

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



51.8975, 0.2105, 0.2654



46.8912, 0.2033, 0.2515



17.6053, 0.1736, 0.1272



19.7243, 0.2980, 0.3234



24.5923, 0.2034, 0.2520



2.5597, 0.2061, 0.2619

Inverse Universe

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



27.5144, 0.3760, 0.1942



25.3185, 0.3907, 0.1929



60.5634, 0.4617, 0.4565



18.2240, 0.3174, 0.3109



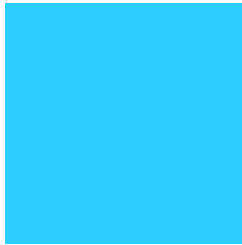
13.2106, 0.3902, 0.1923



1.3029, 0.3806, 0.1870

Previews

White Background



This preview shows how the Yxy color 51.8981, 0.2105, 0.2654 looks on a white background.

Color Contrast Check

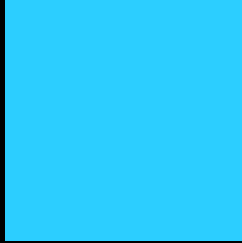
Large Text (above 18pt) WCAG AA × Fail

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 51.8981, 0.2105, 0.2654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

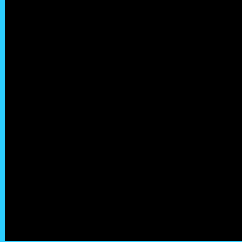
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

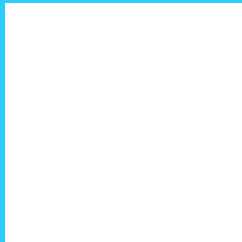
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.8981, 0.2105, 0.2654

Background



This preview shows how black text looks on a background with the Yxy color 51.8981, 0.2105, 0.2654.

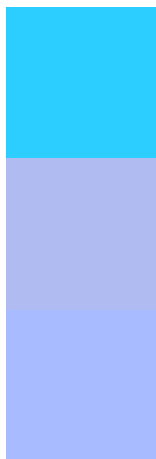


This preview shows how white text looks on a background with the Yxy color 51.8981, 0.2105, 0.2654.

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

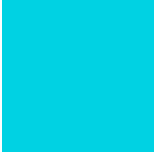
51.8981, 0.2105, 0.2654

Protanopia

51.0055, 0.2664, 0.2647

Deuteranopia

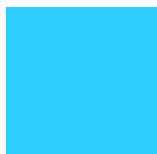
51.1957, 0.2544, 0.2496



Tritanopia

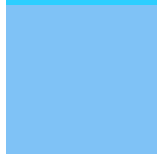
51.6392, 0.2181, 0.3051

Trichromacy



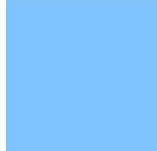
Original Color

51.8981, 0.2105, 0.2654



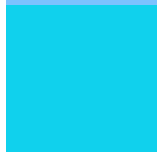
Protanomaly

49.7494, 0.2366, 0.2634



Deuteranomaly

50.0887, 0.2310, 0.2535



Tritanomaly

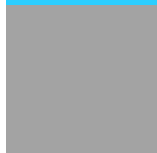
51.8255, 0.2149, 0.2908

Monochromacy



Original Color

51.8981, 0.2105, 0.2654



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

40.2188, 0.2558, 0.3041

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.8981, 0.2105, 0.2654 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(44, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(44, 206, 255)  
}
```

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(44, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 206, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.8981, 0.2105, 0.2654 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(44, 206, 255) }
```

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

```
.border{ border-color:rgb(44, 206, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(44, 206,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.8981, 0.2105, 0.2654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 206, 255) }
```

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

```
.background{ background-color: rgb(44, 206,  
255) }
```

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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