

Converting Colors

$Y_{xy}(53.9600, 0.2130, 0.2709)$

Have a look what the booklet for
Yxy(53.9600, 0.2130, 0.2709)
contains.

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Color

Yxy(54.0170, 0.2131, 0.2711)

Conversions

Conversions Part 1

Format	Color
Hex	33D2FF
RGB	51, 210, 255
RGB Percent	20%, 82%, 100%
CMY	0.7997, 0.1765, 0.0001
CMYK	0.80, 0.18, 0.00, 0.00
HSL	193°, 100%, 60%
HSV	193°, 80%, 100%
XYZ	42.4604, 54.0170, 102.7738
YIQ	167.5890, -109.2090, -19.7130

Conversions

Conversions Part 2

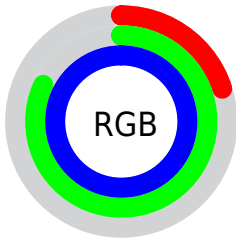
Format	Color
RYB	51, 140, 255
Decimal	3396351
CIELab	78.47, -24.98, -33.31
CIELCh	78, 41.633, 233.128
Yxy	54.0170, 0.2131, 0.2711
Android (android.graphics.Color)	4281586431 (0xFF33D2FF)
YUV	167.5890, 43.0936, -102.2486
Hunter-Lab	73.4963, -25.4950, -31.4610

Details

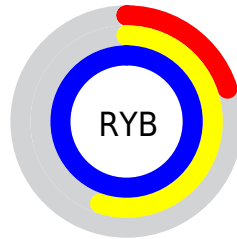
The Yxy color **54.0170, 0.2131, 0.2711** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **29.8686, 0.5587, 0.3626**, and the grayscale version is **38.7819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4858, 0.2482, 0.3288**, and **27.5199, 0.2048, 0.2572** is the 20% darker color. If you saturate the color by 10%, you get **50.7989, 0.2078, 0.2629**, and if you desaturate by 10%, it is **57.6991, 0.2204, 0.2793**.

Distribution



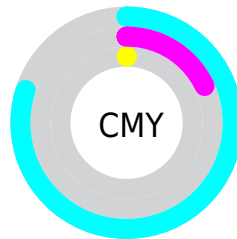
- Red (20%)
- Green (82%)
- Blue (100%)



- Red (20%)
- Yellow (55%)
- Blue (100%)



- Cyan (80%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.0170, 0.2131, 0.2711 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 54.0170, 0.2131, 0.2711 by changing the saturation by 10% instead.


 54.0170, 0.2131,
0.2711


 54.0170, 0.2131,
0.2711


402.1748, 0.2592,
0.3002

 38.6153, 0.2028,
0.2640

 96.0992, 0.2290,
0.2816


 26.4606, 0.1901,
0.2551


 123.5485, 0.2352,
0.2855

 17.1685, 0.1745,
0.2435


 155.7823, 0.2406,
0.2889

 10.3547, 0.1547,
0.2281


 193.1852, 0.2453,
0.2918

 5.6348, 0.1292,
0.2067

236.1415, 0.2494,
0.2943

 2.6243, 0.0963,
0.1759

285.0356, 0.2531,

 0.9389, 0.0398,

0.2965

0.1327

340.2519, 0.2563,
0.2984

0.0000, 0.0000,
0.0000

54.0170, 0.2131,
0.2711

54.0170, 0.2131,
0.2711

50.7989, 0.2078,
0.2629

57.6991, 0.2204,
0.2793

47.9536, 0.2041,
0.2548

61.8924, 0.2297,
0.2875

47.9453, 0.2041,
0.2548

66.6432, 0.2408,
0.2955

71.9905, 0.2534,
0.3031

77.9694, 0.2673,
0.3104

■ 84.6117, 0.2820,
0.3171

■ 91.9470, 0.2973,
0.3234

99.9932, 0.3127,
0.3290

99.9984, 0.3127,
0.3290

Harmonies

Analogous

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



54.0170, 0.2238, 0.3167



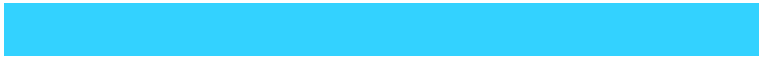
54.0170, 0.2131, 0.2711



54.0170, 0.2255, 0.2462

Triad

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



54.0170, 0.2131, 0.2711



54.0170, 0.3669, 0.2888



54.0170, 0.3611, 0.4296

Complementary

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



54.0170, 0.2131, 0.2711



29.8686, 0.5587, 0.3626

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.



54.0170, 0.4043, 0.4101



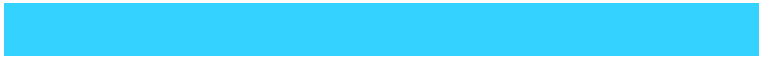
54.0170, 0.2131, 0.2711



54.0170, 0.4098, 0.3292

Square

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



54.0170, 0.2131, 0.2711



54.0170, 0.3106, 0.2581



54.0170, 0.4233, 0.3725



54.0170, 0.3070, 0.4173

Rectangle

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



54.0170, 0.2131, 0.2711



54.0170, 0.2460, 0.2416



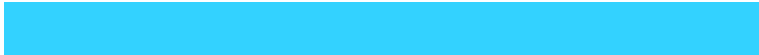
54.0170, 0.4233, 0.3725



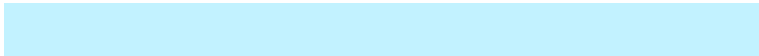
54.0170, 0.3774, 0.4261

Sweetspot

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



54.0189, 0.2131, 0.2711



81.8712, 0.2760, 0.3145



73.0404, 0.2900, 0.5404



17.0214, 0.2708, 0.3120



0.0000, 0.0000, 0.0000



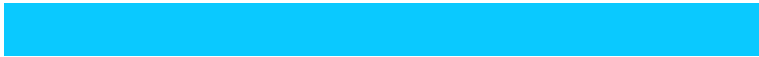
21.4041, 0.3127, 0.3290

Same Dimension

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



54.0189, 0.2131, 0.2711



49.0631, 0.2055, 0.2580



18.8283, 0.1769, 0.1339



19.7616, 0.2980, 0.3236



25.2894, 0.2045, 0.2561



2.6221, 0.2071, 0.2654

Inverse Universe

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



28.2825, 0.3704, 0.1938



25.6989, 0.3842, 0.1902



61.5194, 0.4577, 0.4553



18.2277, 0.3172, 0.3107



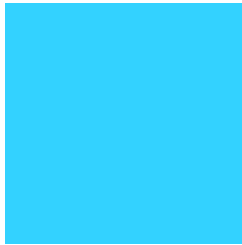
13.2809, 0.3862, 0.1901



1.3092, 0.3772, 0.1852

Previews

White Background



This preview shows how the Yxy color 54.0170, 0.2131, 0.2711 looks on a white background.

Color Contrast Check

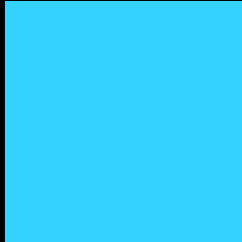
Large Text (above 18pt) WCAG AA × Fail

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 54.0170, 0.2131, 0.2711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

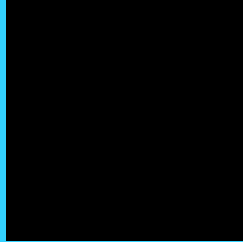
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.0170, 0.2131, 0.2711

Background



This preview shows how black text looks on a background with the Yxy color 54.0170, 0.2131, 0.2711.

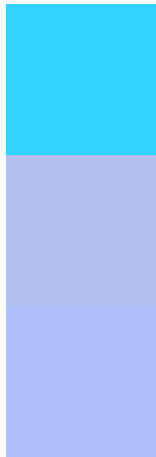


This preview shows how white text looks on a background with the Yxy color 54.0170, 0.2131, 0.2711.

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

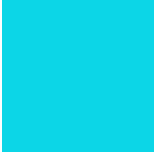
54.0170, 0.2131, 0.2711

Protanopia

53.3158, 0.2702, 0.2702

Deuteranopia

53.1609, 0.2587, 0.2540



Tritanopia

53.9408, 0.2188, 0.3055

Trichromacy



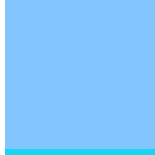
Original Color

54.0170, 0.2131, 0.2711



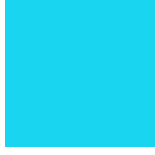
Protanomaly

52.0285, 0.2406, 0.2691



Deuteranomaly

51.8983, 0.2346, 0.2579



Tritanomaly

54.0994, 0.2161, 0.2927

Monochromacy



Original Color

54.0170, 0.2131, 0.2711



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

42.3971, 0.2574, 0.3047

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.0170, 0.2131, 0.2711 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(51, 210, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 210, 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(51, 210, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 210, 255) }
```

Border

The CSS property to change the border of an element to Yxy 54.0170, 0.2131, 0.2711 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(51, 210, 255) }
```

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

```
.border{ border-color:rgb(51, 210, 255) }
```

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

Here you see how a box with a 4 pixel rgb(51, 210, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 210, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 210, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 210,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 54.0170, 0.2131, 0.2711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 210, 255) }
```

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

```
.background{ background-color: rgb(51, 210,  
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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