

Converting Colors

$Y_{xy}(53.2121, 0.2035, 0.2344)$

Have a look what the booklet for
Yxy(53.2121, 0.2035, 0.2344)
contains.

| | |
|--|----|
| Yxy(51.3053, 0.2122, 0.2631) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(51.3053, 0.2122, 0.2631)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 3ACCFF |
| RGB | 58, 204, 255 |
| RGB Percent | 23%, 80%, 100% |
| CMY | 0.7731, 0.1999, 0.0000 |
| CMYK | 0.77, 0.20, 0.00, 0.00 |
| HSL | 196°, 100%, 61% |
| HSV | 196°, 77%, 100% |
| XYZ | 41.3796, 51.3053, 102.3181 |
| YIQ | 166.1600, -103.3870, -15.0910 |

Conversions

Conversions Part 2

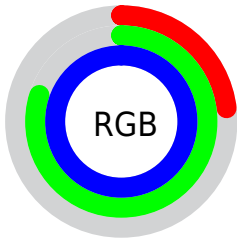
| Format | Color |
|-------------------------------------|--------------------------------|
| R _{YB} | 58, 142, 255 |
| Decimal | 3853567 |
| CIE Lab | 76.86, -21.32, -35.79 |
| CIE LCh | 77, 41.657, 239.215 |
| Yxy | 51.3053, 0.2122, 0.2631 |
| Android (android.graphics.Color) | 4282043647 (0xFF3ACDFF) |
| YUV | 166.1600, 43.7981, -94.8563 |
| Hunter-Lab | 71.6277, -22.2283, -34.5546 |

Details

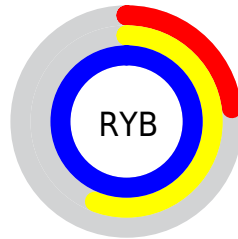
The Yxy color **51.3053, 0.2122, 0.2631** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **32.4653, 0.5412, 0.3703**, and the grayscale version is **38.0194, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **25.8899, 0.2023, 0.2482** is the 20% darker color. If you saturate the color by 10%, you get **47.6558, 0.2058, 0.2533**, and if you desaturate by 10%, it is **55.4687, 0.2206, 0.2729**.

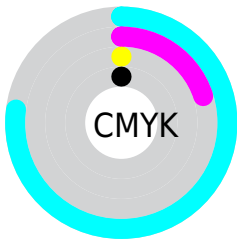
Distribution



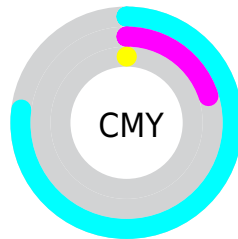
- Red (23%)
- Green (80%)
- Blue (100%)



- Red (23%)
- Yellow (56%)
- Blue (100%)



- Cyan (77%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)





- Cyan (77%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.3053, 0.2122, 0.2631 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 51.3053, 0.2122, 0.2631 by changing the saturation by 10% instead.


 51.3053, 0.2122,
0.2631


 51.3053, 0.2122,
0.2631


391.7488, 0.2591,
0.2960


 36.4516, 0.2016,
0.2551


 92.1059, 0.2284,
0.2749


 24.7832, 0.1887,
0.2451


 118.8216, 0.2347,
0.2794

 15.9156, 0.1726,
0.2322


 150.2602, 0.2402,
0.2832

 9.4645, 0.1523,
0.2151

 186.8059, 0.2450,
0.2865

 5.0453, 0.1261,
0.1916

228.8432, 0.2491,
0.2893

 2.2739, 0.0923,
0.1584

276.7566, 0.2528,

 0.7598, 0.0299,

0.2918

0.1125

330.9303, 0.2561,
0.2940

0.0000, 0.0000,
0.0000

51.3053, 0.2122,
0.2631

51.3053, 0.2122,
0.2631

47.6558, 0.2058,
0.2533

55.4687, 0.2206,
0.2729

44.4494, 0.2013,
0.2437

60.1915, 0.2310,
0.2826

43.6357, 0.2003,
0.2411

65.5188, 0.2430,
0.2919

71.4891, 0.2564,
0.3009

78.1369, 0.2708,
0.3093

■ 85.4943, 0.2859,
0.3171

■ 93.5908, 0.3014,
0.3242

99.9992, 0.3127,
0.3290

Harmonies

Analogous

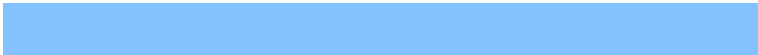
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.3053, 0.2182, 0.3055



51.3053, 0.2122, 0.2631



51.3053, 0.2294, 0.2424

Triad

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



51.3053, 0.2122, 0.2631



51.3053, 0.3785, 0.2959



51.3053, 0.3510, 0.4318

Complementary

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



51.3053, 0.2122, 0.2631



32.4653, 0.5412, 0.3703

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.



51.3053, 0.3985, 0.4175



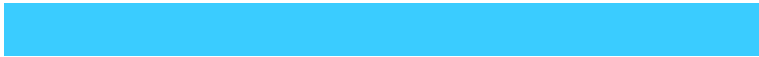
51.3053, 0.2122, 0.2631



51.3053, 0.4171, 0.3380

Square

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



51.3053, 0.2122, 0.2631



51.3053, 0.3223, 0.2622



51.3053, 0.4238, 0.3816



51.3053, 0.2957, 0.4121

Rectangle

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



51.3053, 0.2122, 0.2631



51.3053, 0.2530, 0.2406



51.3053, 0.4238, 0.3816



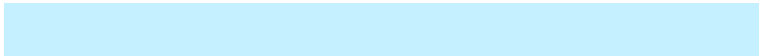
51.3053, 0.3685, 0.4304

Sweetspot

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



51.3071, 0.2122, 0.2631



81.2250, 0.2773, 0.3127



73.4722, 0.2876, 0.5261



16.8305, 0.2719, 0.3099



0.0000, 0.0000, 0.0000



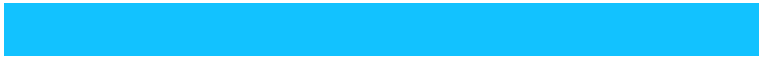
21.4041, 0.3127, 0.3290

Same Dimension

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



51.3071, 0.2122, 0.2631



45.7861, 0.2030, 0.2478



18.6610, 0.1782, 0.1327



19.6395, 0.2980, 0.3227



23.0574, 0.2008, 0.2427



2.4216, 0.2038, 0.2537

Inverse Universe

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



28.6307, 0.3775, 0.2015



25.5682, 0.3941, 0.1970



65.5637, 0.4481, 0.4590



18.2154, 0.3178, 0.3115



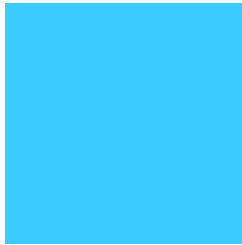
13.0556, 0.3996, 0.1975



1.2890, 0.3886, 0.1914

Previews

White Background



This preview shows how the Yxy color 51.3053, 0.2122, 0.2631 looks on a white background.

Color Contrast Check

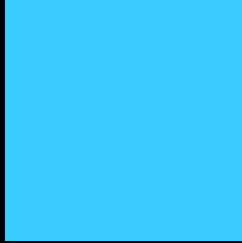
Large Text (above 18pt) WCAG AA × Fail

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 51.3053, 0.2122, 0.2631 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

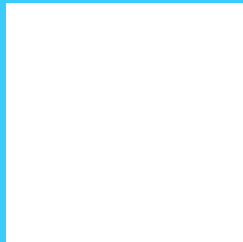
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.3053, 0.2122, 0.2631

Background



This preview shows how black text looks on a background with the Yxy color 51.3053, 0.2122, 0.2631.



This preview shows how white text looks on a background with the Yxy color 51.3053, 0.2122, 0.2631.

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

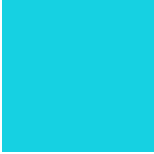
51.3053, 0.2122, 0.2631

Protanopia

50.5273, 0.2650, 0.2623

Deuteranopia

50.5533, 0.2530, 0.2481



Tritanopia

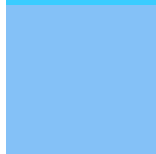
51.2625, 0.2194, 0.3051

Trichromacy



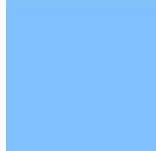
Original Color

51.3053, 0.2122, 0.2631



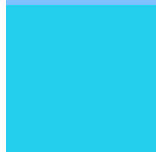
Protanomaly

49.7609, 0.2384, 0.2614



Deuteranomaly

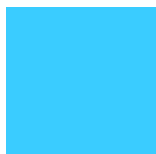
49.8720, 0.2322, 0.2524



Tritanomaly

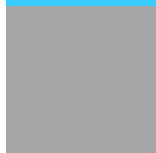
51.0974, 0.2159, 0.2881

Monochromacy



Original Color

51.3053, 0.2122, 0.2631



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

41.2318, 0.2593, 0.3031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.3053, 0.2122, 0.2631 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(58, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(58, 204, 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(58, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 204, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.3053, 0.2122, 0.2631 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(58, 204, 255) }
```

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

```
.border{ border-color:rgb(58, 204, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(58, 204,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.3053, 0.2122, 0.2631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 204, 255) }
```

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

```
.background{ background-color: rgb(58, 204,  
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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