

Converting Colors

$Y_{xy}(53.2669, 0.2125, 0.2690)$

Have a look what the booklet for
Yxy(53.2669, 0.2125, 0.2690)
contains.

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Color

Yxy(53.0356, 0.2124, 0.2683)

Conversions

Conversions Part 1

Format	Color
Hex	33D0FF
RGB	51, 208, 255
RGB Percent	20%, 82%, 100%
CMY	0.7987, 0.1844, 0.0000
CMYK	0.80, 0.18, 0.00, 0.00
HSL	194°, 100%, 60%
HSV	194°, 80%, 100%
XYZ	41.9857, 53.0356, 102.6515
YIQ	166.4150, -108.6590, -18.6670

Conversions

Conversions Part 2

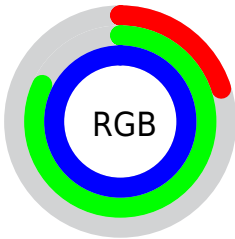
Format	Color
R _Y B	51, 140, 255
Decimal	3395839
CIE Lab	77.90, -23.93, -34.22
CIE LCh	78, 41.756, 235.035
Yxy	53.0356, 0.2124, 0.2683
Android (android.graphics.Color)	4281585919 (0xFF33D0FF)
YUV	166.4150, 43.6724, -101.2190
Hunter-Lab	72.8255, -24.5351, -32.5945

Details

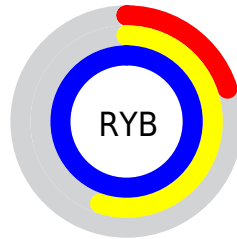
The Yxy color **53.0356, 0.2124, 0.2683** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **30.3016, 0.5563, 0.3645**, and the grayscale version is **38.2130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4858, 0.2482, 0.3288**, and **26.8597, 0.2038, 0.2536** is the 20% darker color. If you saturate the color by 10%, you get **49.7238, 0.2069, 0.2597**, and if you desaturate by 10%, it is **56.8178, 0.2199, 0.2770**.

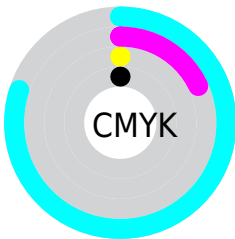
Distribution



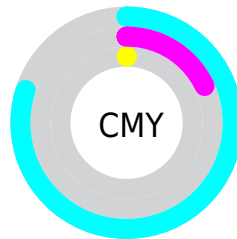
- Red (20%)
- Green (82%)
- Blue (100%)



- 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 53.0356, 0.2124, 0.2683 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 53.0356, 0.2124, 0.2683 by changing the saturation by 10% instead.


 53.0356, 0.2124,
0.2683

 53.0356, 0.2124,
0.2683


398.4217, 0.2590,
0.2987


 37.8312, 0.2019,
0.2609


 94.6568, 0.2285,
0.2792

 25.8517, 0.1892,
0.2516

 121.8423, 0.2347,
0.2834

 16.7127, 0.1733,
0.2395

 153.7903, 0.2402,
0.2869

 10.0299, 0.1533,
0.2235

 190.8852, 0.2449,
0.2899

 5.4188, 0.1275,
0.2013

233.5114, 0.2491,
0.2926

 2.4950, 0.0943,
0.1696

282.0533, 0.2527,

 0.8741, 0.0354,

0.2949

0.1256

336.8953, 0.2560,
0.2969

0.0000, 0.0000,
0.0000

53.0356, 0.2124,
0.2683

53.0356, 0.2124,
0.2683

49.7238, 0.2069,
0.2597

56.8178, 0.2199,
0.2770

46.7969, 0.2031,
0.2512

61.1224, 0.2294,
0.2856

46.7607, 0.2031,
0.2511

65.9944, 0.2406,
0.2939

71.4727, 0.2534,
0.3020

77.5925, 0.2673,
0.3096

■ 84.3858, 0.2821,
0.3166

■ 91.8824, 0.2974,
0.3232

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.



53.0356, 0.2217, 0.3131



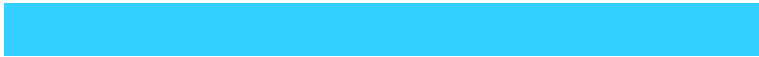
53.0356, 0.2124, 0.2683



53.0356, 0.2264, 0.2446

Triad

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



53.0356, 0.2124, 0.2683



53.0356, 0.3708, 0.2909



53.0356, 0.3581, 0.4308

Complementary

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



53.0356, 0.2124, 0.2683



30.3016, 0.5563, 0.3645

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.



53.0356, 0.4029, 0.4127



53.0356, 0.2124, 0.2683



53.0356, 0.4125, 0.3320

Square

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



53.0356, 0.2124, 0.2683



53.0356, 0.3142, 0.2591



53.0356, 0.4240, 0.3755



53.0356, 0.3034, 0.4161

Rectangle

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



53.0356, 0.2124, 0.2683



53.0356, 0.2479, 0.2409



53.0356, 0.4240, 0.3755



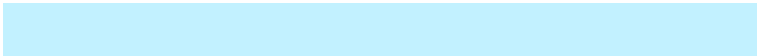
53.0356, 0.3749, 0.4279

Sweetspot

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



53.0359, 0.2124, 0.2683



81.4979, 0.2759, 0.3138



73.0668, 0.2900, 0.5402



16.9307, 0.2707, 0.3112



0.0000, 0.0000, 0.0000



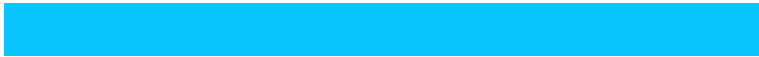
21.4041, 0.3127, 0.3290

Same Dimension

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



53.0359, 0.2124, 0.2683



47.8981, 0.2045, 0.2545



18.8768, 0.1770, 0.1341



19.7285, 0.2980, 0.3234



24.6715, 0.2035, 0.2525



2.5668, 0.2062, 0.2623

Inverse Universe

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



28.2095, 0.3730, 0.1955



25.5813, 0.3876, 0.1922



61.5674, 0.4575, 0.4553



18.2244, 0.3174, 0.3109



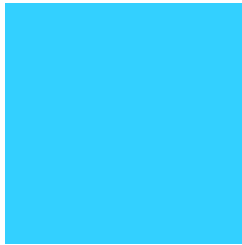
13.2186, 0.3897, 0.1921



1.3037, 0.3802, 0.1868

Previews

White Background



This preview shows how the Yxy color 53.0356, 0.2124, 0.2683 looks on a white background.

Color Contrast Check

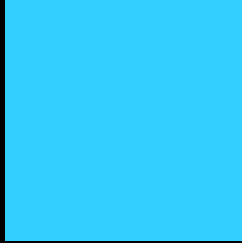
Large Text (above 18pt) WCAG AA × Fail

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 53.0356, 0.2124, 0.2683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

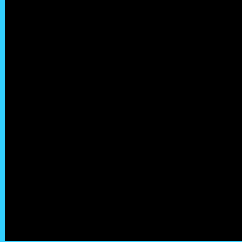
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.0356, 0.2124, 0.2683

Background



This preview shows how black text looks on a background with the Yxy color 53.0356, 0.2124, 0.2683.



This preview shows how white text looks on a background with the Yxy color 53.0356, 0.2124, 0.2683.

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

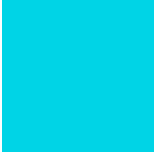
53.0356, 0.2124, 0.2683

Protanopia

52.2110, 0.2687, 0.2675

Deuteranopia

52.3858, 0.2566, 0.2524



Tritanopia

52.8001, 0.2178, 0.3040

Trichromacy



Original Color

53.0356, 0.2124, 0.2683



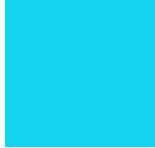
Protanomaly

51.0392, 0.2396, 0.2665



Deuteranomaly

51.2890, 0.2334, 0.2564



Tritanomaly

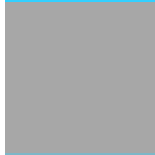
52.9590, 0.2152, 0.2911

Monochromacy



Original Color

53.0356, 0.2124, 0.2683



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

41.9394, 0.2578, 0.3046

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.0356, 0.2124, 0.2683 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, 208, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 208, 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, 208, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 208, 255) }
```

Border

The CSS property to change the border of an element to Yxy 53.0356, 0.2124, 0.2683 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, 208, 255) }
```

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

```
.border{ border-color:rgb(51, 208, 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, 208, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 208, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 208, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 208,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 53.0356, 0.2124, 0.2683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 208, 255) }
```

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

```
.background{ background-color: rgb(51, 208,  
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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