

Converting Colors

$Y_{xy}(54.9951, 0.2155, 0.2732)$

Have a look what the booklet for
Yxy(54.9951, 0.2155, 0.2732)
contains.

Yxy(54.8006, 0.2153, 0.2727)	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(54.8006, 0.2153, 0.2727)

Conversions

Conversions Part 1

Format	Color
Hex	3DD3FF
RGB	61, 211, 255
RGB Percent	24%, 83%, 100%
CMY	0.7608, 0.1725, 0.0001
CMYK	0.76, 0.17, 0.00, 0.00
HSL	194°, 100%, 62%
HSV	194°, 76%, 100%
XYZ	43.2657, 54.8006, 102.8893
YIQ	171.1660, -103.5240, -18.1160

Conversions

Conversions Part 2

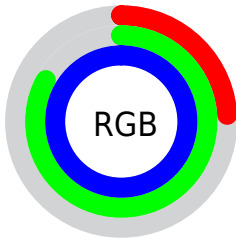
Format	Color
R _{YB}	61, 146, 255
Decimal	4051967
CIE _{Lab}	78.93, -24.54, -32.59
CIE _{LCh}	79, 40.799, 233.026
Y _{xy}	54.8006, 0.2153, 0.2727
Android (android.graphics.Color)	4282242047 (0xFF3DD3FF)
Y _{UV}	171.1660, 41.3302, -96.6156
Hunter-Lab	74.0274, -25.2227, -30.5868

Details

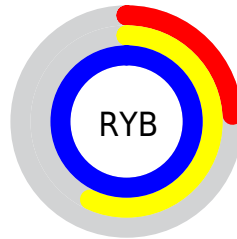
The Yxy color **54.8006, 0.2153, 0.2727** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **31.6926, 0.5425, 0.3648**, and the grayscale version is **40.6408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8909, 0.2501, 0.3288**, and **27.8542, 0.2053, 0.2589** is the 20% darker color. If you saturate the color by 10%, you get **51.3556, 0.2091, 0.2642**, and if you desaturate by 10%, it is **58.7369, 0.2235, 0.2812**.

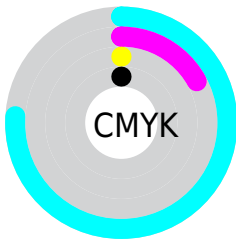
Distribution



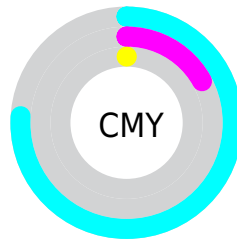
- Red (24%)
- Green (83%)
- Blue (100%)



- Red (24%)
- Yellow (57%)
- Blue (100%)



- Cyan (76%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)




- Cyan (76%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.8006, 0.2153, 0.2727 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 54.8006, 0.2153, 0.2727 by changing the saturation by 10% instead.


 54.8006, 0.2153,
0.2727


 54.8006, 0.2153,
0.2727


405.1556, 0.2604,
0.3009

 39.2421, 0.2052,
0.2658


 97.2487, 0.2308,
0.2828


 26.9481, 0.1928,
0.2572


 124.9072, 0.2369,
0.2867

 17.5343, 0.1775,
0.2460


 157.3677, 0.2422,
0.2900

 10.6161, 0.1581,
0.2310

 195.0147, 0.2467,
0.2928

 5.8093, 0.1331,
0.2103

238.2326, 0.2508,
0.2952

 2.7295, 0.1005,
0.1804

287.4058, 0.2543,

 0.9922, 0.0472,

0.2973

0.1377

342.9187, 0.2575,
0.2992

■ 0.0000, 0.0000,
0.0000

■ 54.8006, 0.2153,
0.2727

■ 54.8006, 0.2153,
0.2727

■ 51.3556, 0.2091,
0.2642

■ 58.7369, 0.2235,
0.2812

■ 48.3352, 0.2048,
0.2559

■ 63.2080, 0.2336,
0.2895

■ 47.2314, 0.2035,
0.2526

■ 68.2578, 0.2454,
0.2976

■ 73.9238, 0.2586,
0.3053

■ 80.2398, 0.2729,
0.3126

■ 87.2369, 0.2879,
0.3194

■ 94.9438, 0.3033,
0.3255

99.9989, 0.3127,
0.3290

Harmonies

Analogous

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



54.8006, 0.2260, 0.3173



54.8006, 0.2153, 0.2727



54.8006, 0.2274, 0.2481

Triad

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



54.8006, 0.2153, 0.2727



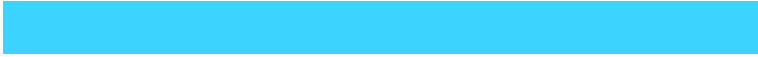
54.8006, 0.3654, 0.2897



54.8006, 0.3602, 0.4270

Complementary

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



54.8006, 0.2153, 0.2727



31.6926, 0.5425, 0.3648

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.



54.8006, 0.4023, 0.4082



54.8006, 0.2153, 0.2727



54.8006, 0.4072, 0.3292

Square

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



54.8006, 0.2153, 0.2727



54.8006, 0.3105, 0.2596



54.8006, 0.4206, 0.3716



54.8006, 0.3075, 0.4150

Rectangle

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



54.8006, 0.2153, 0.2727



54.8006, 0.2474, 0.2435



54.8006, 0.4206, 0.3716



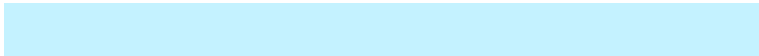
54.8006, 0.3761, 0.4237

Sweetspot

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



54.8025, 0.2153, 0.2727



82.3307, 0.2774, 0.3147



73.4810, 0.2897, 0.5305



17.1010, 0.2721, 0.3122



0.0000, 0.0000, 0.0000



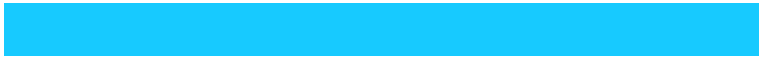
21.4041, 0.3127, 0.3290

Same Dimension

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



54.8025, 0.2153, 0.2727



49.8271, 0.2068, 0.2601



20.6935, 0.1819, 0.1436



19.7418, 0.2980, 0.3235



24.9186, 0.2039, 0.2540



2.5889, 0.2065, 0.2635

Inverse Universe

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



29.2979, 0.3684, 0.1975



26.1537, 0.3819, 0.1912



62.9123, 0.4517, 0.4529



18.2257, 0.3173, 0.3108



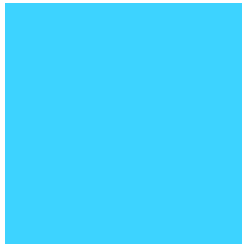
13.2435, 0.3883, 0.1913



1.3059, 0.3790, 0.1861

Previews

White Background



This preview shows how the Yxy color 54.8006, 0.2153, 0.2727 looks on a white background.

Color Contrast Check

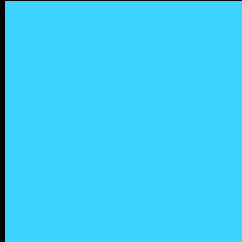
Large Text (above 18pt) WCAG AA × Fail

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 54.8006, 0.2153, 0.2727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

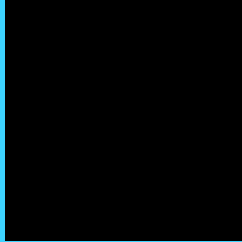
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.8006, 0.2153, 0.2727

Background



This preview shows how black text looks on a background with the Yxy color 54.8006, 0.2153, 0.2727.

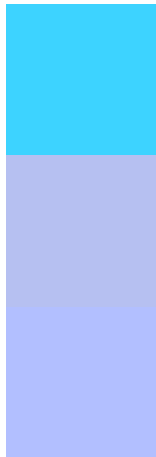


This preview shows how white text looks on a background with the Yxy color 54.8006, 0.2153, 0.2727.

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

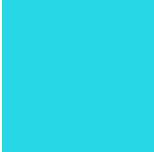
54.8006, 0.2153, 0.2727

Protanopia

53.9952, 0.2717, 0.2716

Deuteranopia

53.9466, 0.2607, 0.2555



Tritanopia

54.8584, 0.2213, 0.3058

Trichromacy



Original Color

54.8006, 0.2153, 0.2727



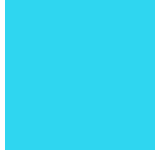
Protanomaly

52.9039, 0.2434, 0.2708



Deuteranomaly

52.7591, 0.2373, 0.2596



Tritanomaly

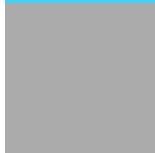
54.9887, 0.2192, 0.2943

Monochromacy



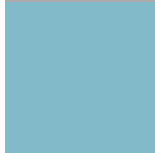
Original Color

54.8006, 0.2153, 0.2727



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

44.2074, 0.2606, 0.3065

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.8006, 0.2153, 0.2727 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(61, 211, 255)` looks like.

```
.text, #text, p{  
    color:rgb(61, 211, 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(61, 211, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 211, 255) }
```

Border

The CSS property to change the border of an element to Yxy 54.8006, 0.2153, 0.2727 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(61, 211, 255) }
```

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

```
.border{ border-color:rgb(61, 211, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 211, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 211, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 211, 255);  
box-shadow:4px 4px 4px 4px rgb(61, 211,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 54.8006, 0.2153, 0.2727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 211, 255) }
```

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

```
.background{ background-color: rgb(61, 211,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor