

Converting Colors

$Yxy(54.0194, 0.2137, 0.2877)$

Have a look what the booklet for
Yxy(54.0194, 0.2137, 0.2877)
contains.

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Color

Yxy(54.1847, 0.2137, 0.2877)

Conversions

Conversions Part 1

Format	Color
Hex	0AD5F4
RGB	10, 213, 244
RGB Percent	4%, 84%, 96%
CMY	0.9596, 0.1647, 0.0432
CMYK	0.96, 0.13, 0.00, 0.04
HSL	188°, 92%, 50%
HSV	188°, 96%, 96%
XYZ	40.2477, 54.1847, 93.9051
YIQ	155.8370, -130.9390, -33.3950

Conversions

Conversions Part 2

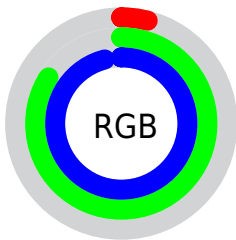
Format	Color
RYB	10, 119, 244
Decimal	710132
CIELab	78.57, -32.16, -27.32
CIELCh	79, 42.200, 220.351
Yxy	54.1847, 0.2137, 0.2877
Android (android.graphics.Color)	4278900212 (0xFF0AD5F4)
YUV	155.8370, 43.4644, -127.8990
Hunter-Lab	73.6103, -31.2199, -24.1095

Details

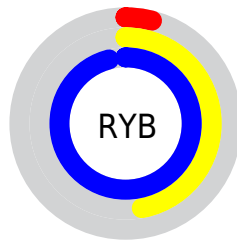
The Yxy color **54.1847, 0.2137, 0.2877** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **20.8570, 0.6222, 0.3401**, and the grayscale version is **33.0589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **28.0846, 0.2104, 0.2773** is the 20% darker color. If you saturate the color by 10%, you get **53.4353, 0.2127, 0.2858**, and if you desaturate by 10%, it is **56.1156, 0.2169, 0.2923**.

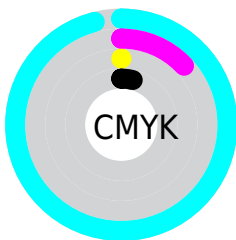
Distribution



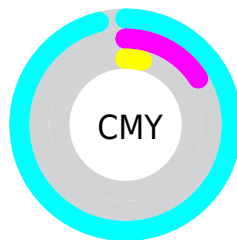
- Red (4%)
- Green (84%)
- Blue (96%)



- Red (4%)
- Yellow (47%)
- Blue (96%)



- Cyan (96%)
- Magenta (13%)
- Yellow (0%)
- Black (4%)




- Cyan (96%)
- Magenta (16%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.1847, 0.2137, 0.2877 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 54.1847, 0.2137, 0.2877 by changing the saturation by 10% instead.


 54.1847, 0.2137,
0.2877

 54.1847, 0.2137,
0.2877


402.8139, 0.2597,
0.3092


 38.7493, 0.2033,
0.2822


 96.3454, 0.2296,
0.2956

 26.5648, 0.1906,
0.2752


 123.8395, 0.2358,
0.2986

 17.2466, 0.1748,
0.2659


 156.1220, 0.2411,
0.3011

 10.4105, 0.1548,
0.2531

 193.5773, 0.2458,
0.3032

 5.6720, 0.1288,
0.2347

 236.5897, 0.2499,
0.3050

 2.6467, 0.0948,
0.2068

285.5437, 0.2535,

 0.9502, 0.0206,

0.3066

0.1675

340.8236, 0.2568,
0.3080

■ 0.0000, 0.0000,
0.0000

■ 54.1847, 0.2137,
0.2877

■ 54.1847, 0.2137,
0.2877

■ 53.4353, 0.2127,
0.2858

■ 56.1156, 0.2169,
0.2923

■ 58.3723, 0.2218,
0.2971

■ 61.0099, 0.2288,
0.3018

■ 64.0716, 0.2376,
0.3065

■ 67.5942, 0.2483,
0.3110

■ 71.6103, 0.2605,
0.3154

■ 76.1496, 0.2740,
0.3196

■ 81.2391, 0.2886,
0.3235

■ 86.9039, 0.3038,
0.3271

Harmonies

Analogous

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



54.1847, 0.2345, 0.3405



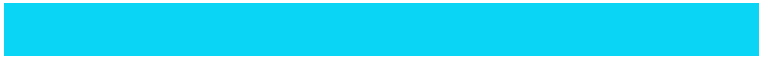
54.1847, 0.2137, 0.2877



54.1847, 0.2164, 0.2532

Triad

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



54.1847, 0.2137, 0.2877



54.1847, 0.3438, 0.2736



54.1847, 0.3824, 0.4256

Complementary

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



54.1847, 0.2137, 0.2877



20.8570, 0.6222, 0.3401

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.



54.1847, 0.4173, 0.3962



54.1847, 0.2137, 0.2877



54.1847, 0.3954, 0.3110

Square

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



54.1847, 0.2137, 0.2877



54.1847, 0.2870, 0.2486



54.1847, 0.4230, 0.3544



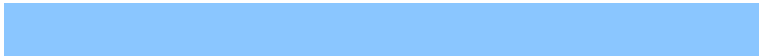
54.1847, 0.3305, 0.4282

Rectangle

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



54.1847, 0.2137, 0.2877



54.1847, 0.2309, 0.2425



54.1847, 0.4230, 0.3544



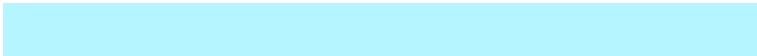
54.1847, 0.3966, 0.4181

Sweetspot

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



54.1866, 0.2137, 0.2877



82.4743, 0.2695, 0.3182



64.8906, 0.2975, 0.5883



17.1960, 0.2637, 0.3165



0.0000, 0.0000, 0.0000



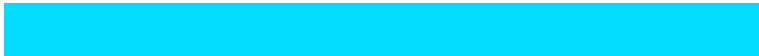
21.4041, 0.3127, 0.3290

Same Dimension

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



54.1866, 0.2137, 0.2877



59.0380, 0.2127, 0.2856



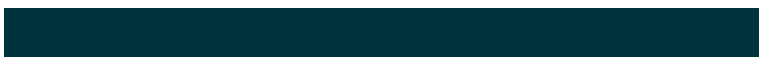
15.6886, 0.1691, 0.1263



18.3611, 0.2981, 0.3258



29.2077, 0.2129, 0.2865



2.6690, 0.2145, 0.2923

Inverse Universe

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



24.2569, 0.3563, 0.1749



26.4911, 0.3583, 0.1747



42.4963, 0.5029, 0.4363



16.7283, 0.3158, 0.3087



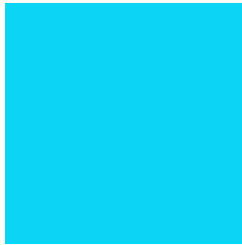
13.0479, 0.3575, 0.1743



1.1571, 0.3522, 0.1714

Previews

White Background



This preview shows how the Yxy color 54.1847, 0.2137, 0.2877 looks on a white background.

Color Contrast Check

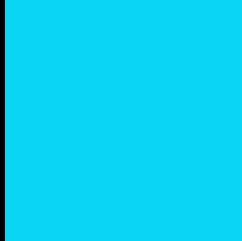
Large Text (above 18pt) WCAG AA × Fail

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 54.1847, 0.2137, 0.2877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

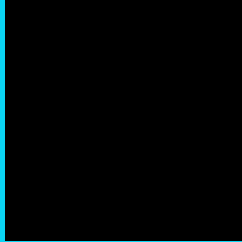
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.1847, 0.2137, 0.2877

Background



This preview shows how black text looks on a background with the Yxy color 54.1847, 0.2137, 0.2877.



This preview shows how white text looks on a background with the Yxy color 54.1847, 0.2137, 0.2877.

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

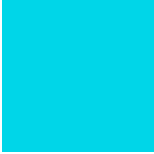
54.1847, 0.2137, 0.2877

Protanopia

53.2330, 0.2813, 0.2837

Deuteranopia

53.0585, 0.2659, 0.2596



Tritanopia

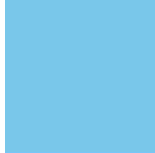
53.9193, 0.2178, 0.3042

Trichromacy



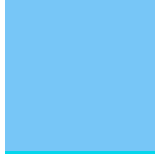
Original Color

54.1847, 0.2137, 0.2877



Protanomaly

50.8523, 0.2406, 0.2835



Deuteranomaly

51.0255, 0.2333, 0.2670



Tritanomaly

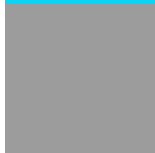
54.1751, 0.2166, 0.2990

Monochromacy



Original Color

54.1847, 0.2137, 0.2877



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

37.9587, 0.2498, 0.3120

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.1847, 0.2137, 0.2877 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(10, 213, 244)` looks like.

```
.text, #text, p{  
    color:rgb(10, 213, 244)  
}
```

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(10, 213, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 213, 244) }
```

Border

The CSS property to change the border of an element to Yxy 54.1847, 0.2137, 0.2877 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(10, 213, 244) }
```

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

```
.border{ border-color:rgb(10, 213, 244) }
```

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

Here you see how a box with a 4 pixel rgb(10, 213, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 213, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 213, 244);  
box-shadow:4px 4px 4px 4px rgb(10, 213,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 54.1847, 0.2137, 0.2877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 213, 244) }
```

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

```
.background{ background-color: rgb(10, 213,  
244) }
```

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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