

Converting Colors

$Y_{xy}(44.9707, 0.1391, 0.2735)$

Have a look what the booklet for
Yxy(44.9707, 0.1391, 0.2735)
contains.

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Color

Yxy(54.3658, 0.2119, 0.2828)

Conversions

Conversions Part 1

Format	Color
Hex	00D5F8
RGB	0, 213, 248
RGB Percent	0%, 84%, 97%
CMY	0.9995, 0.1647, 0.0275
CMYK	1.00, 0.14, 0.00, 0.03
HSL	188°, 100%, 49%
HSV	188°, 100%, 97%
XYZ	40.7359, 54.3658, 97.1395
YIQ	153.3030, -138.1830, -34.2710

Conversions

Conversions Part 2

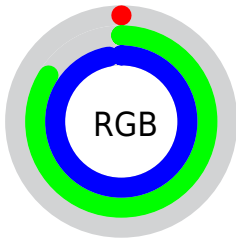
Format	Color
RYB	0, 115, 248
Decimal	54776
CIELab	78.67, -31.10, -29.30
CIELCh	79, 42.731, 223.294
Yxy	54.3658, 0.2119, 0.2828
Android (android.graphics.Color)	4278244856 (0xFF00D5F8)
YUV	153.3030, 46.6856, -134.4467
Hunter-Lab	73.7332, -30.4158, -26.4981

Details

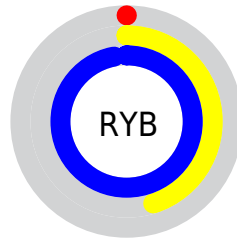
The Yxy color **54.3658, 0.2119, 0.2828** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **21.1623, 0.6291, 0.3387**, and the grayscale version is **31.8498, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **28.2595, 0.2087, 0.2713** is the 20% darker color. If you saturate the color by 10%, you get **54.3577, 0.2119, 0.2828**, and if you desaturate by 10%, it is **56.3524, 0.2146, 0.2878**.

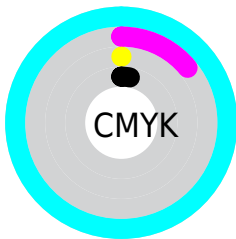
Distribution



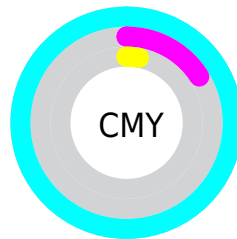
- Red (0%)
- Green (84%)
- Blue (97%)



- Red (0%)
- Yellow (45%)
- Blue (97%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (3%)




- Cyan (100%)
- Magenta (16%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.3658, 0.2119, 0.2828 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 54.3658, 0.2119, 0.2828 by changing the saturation by 10% instead.

 54.3658, 0.2119,
0.2828


 54.3658, 0.2119,
0.2828


403.5034, 0.2586,
0.3066


 38.8942, 0.2014,
0.2768


 96.6111, 0.2280,
0.2915


 26.6774, 0.1886,
0.2692


 124.1536, 0.2343,
0.2948

 17.3311, 0.1727,
0.2591


 156.4886, 0.2397,
0.2975

 10.4708, 0.1526,
0.2454

 194.0003, 0.2445,
0.2999

 5.7122, 0.1266,
0.2260

 237.0733, 0.2486,
0.3019

 2.6709, 0.0930,
0.1971

286.0919, 0.2523,

 0.9624, 0.0249,

0.3037

0.1562

341.4404, 0.2556,
0.3052

■ 0.0000, 0.0000,
0.0000

■ 54.3658, 0.2119,
0.2828

■ 54.3658, 0.2119,
0.2828

■ 54.3577, 0.2119,
0.2828

■ 56.3524, 0.2146,
0.2878

■ 58.6358, 0.2189,
0.2928

■ 61.2979, 0.2251,
0.2978

■ 64.3872, 0.2333,
0.3029

■ 67.9445, 0.2433,
0.3078

■ 72.0056, 0.2550,
0.3126

■ 76.6026, 0.2681,
0.3172

■ 81.7645, 0.2823,
0.3214

■ 87.5185, 0.2973,
0.3254

Harmonies

Analogous

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



54.3658, 0.2306, 0.3349



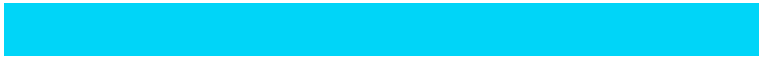
54.3658, 0.2119, 0.2828



54.3658, 0.2169, 0.2502

Triad

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



54.3658, 0.2119, 0.2828



54.3658, 0.3498, 0.2763



54.3658, 0.3785, 0.4284

Complementary

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



54.3658, 0.2119, 0.2828



21.1623, 0.6291, 0.3387

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.



54.3658, 0.4161, 0.4005



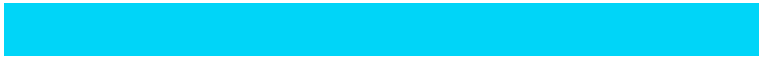
54.3658, 0.2119, 0.2828



54.3658, 0.4005, 0.3149

Square

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



54.3658, 0.2119, 0.2828



54.3658, 0.2920, 0.2495



54.3658, 0.4252, 0.3589



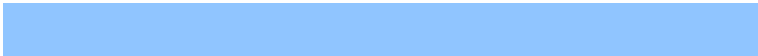
54.3658, 0.3252, 0.4278

Rectangle

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



54.3658, 0.2119, 0.2828



54.3658, 0.2330, 0.2408



54.3658, 0.4252, 0.3589



54.3658, 0.3935, 0.4215

Sweetspot

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



54.3677, 0.2119, 0.2828



81.5682, 0.2680, 0.3171



67.2366, 0.2976, 0.5912



17.0015, 0.2623, 0.3152



0.0000, 0.0000, 0.0000



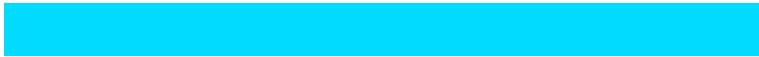
21.4041, 0.3127, 0.3290

Same Dimension

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



54.3677, 0.2119, 0.2828



57.8892, 0.2119, 0.2827



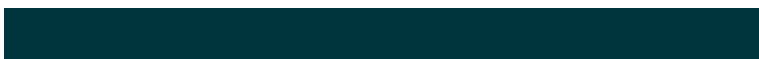
14.2609, 0.1649, 0.1137



19.1663, 0.2980, 0.3256



29.5260, 0.2121, 0.2836



2.8456, 0.2138, 0.2895

Inverse Universe

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



24.7606, 0.3609, 0.1762



26.3751, 0.3610, 0.1762



44.1029, 0.5042, 0.4379



17.4800, 0.3160, 0.3089



13.3916, 0.3602, 0.1758



1.2515, 0.3548, 0.1728

Previews

White Background



This preview shows how the Yxy color 54.3658, 0.2119, 0.2828 looks on a white background.

Color Contrast Check

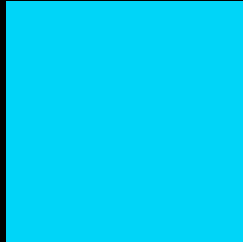
Large Text (above 18pt) WCAG AA × Fail

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 54.3658, 0.2119, 0.2828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

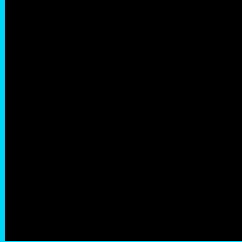
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.3658, 0.2119, 0.2828

Background



This preview shows how black text looks on a background with the Yxy color 54.3658, 0.2119, 0.2828.



This preview shows how white text looks on a background with the Yxy color 54.3658, 0.2119, 0.2828.

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

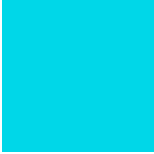
54.3658, 0.2119, 0.2828

Protanopia

53.3351, 0.2780, 0.2792

Deuteranopia

53.5025, 0.2624, 0.2565



Tritanopia

54.4271, 0.2182, 0.3056

Trichromacy



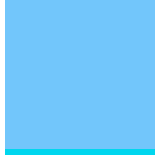
Original Color

54.3658, 0.2119, 0.2828



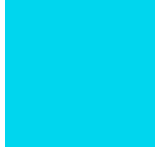
Protanomaly

50.8018, 0.2368, 0.2785



Deuteranomaly

50.9306, 0.2294, 0.2622



Tritanomaly

54.2662, 0.2157, 0.2965

Monochromacy



Original Color

54.3658, 0.2119, 0.2828



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

36.8322, 0.2459, 0.3087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.3658, 0.2119, 0.2828 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(0, 213, 248)` looks like.

```
.text, #text, p{  
    color:rgb(0, 213, 248)  
}
```

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(0, 213, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 213, 248) }
```

Border

The CSS property to change the border of an element to Yxy 54.3658, 0.2119, 0.2828 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(0, 213, 248) }
```

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

```
.border{ border-color:rgb(0, 213, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 213, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 213, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 213, 248); box-shadow:4px 4px 4px 4px rgb(0, 213, 248) }
```


Background

The CSS property to change the background color of an element to Yxy 54.3658, 0.2119, 0.2828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 213, 248) }
```

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

```
.background{ background-color: rgb(0, 213,  
248) }
```

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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