

Converting Colors

$Y_{xy}(52.2122, 0.2155, 0.2956)$

Have a look what the booklet for
Yxy(52.2122, 0.2155, 0.2956)
contains.

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Color

Yxy(52.0978, 0.2152, 0.2947)

Conversions

Conversions Part 1

Format	Color
Hex	00D2EB
RGB	0, 210, 235
RGB Percent	0%, 82%, 92%
CMY	1.0000, 0.1764, 0.0785
CMYK	1.00, 0.11, 0.00, 0.08
HSL	186°, 100%, 46%
HSV	186°, 100%, 92%
XYZ	38.0436, 52.0978, 86.6411
YIQ	150.0600, -133.1850, -36.7450

Conversions

Conversions Part 2

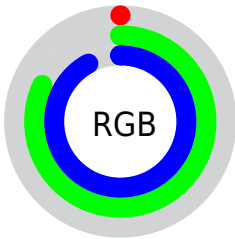
Format	Color
RYB	0, 111, 235
Decimal	53995
CIELab	77.34, -33.84, -24.40
CIELCh	77, 41.722, 215.795
Yxy	52.0978, 0.2152, 0.2947
Android (android.graphics.Color)	4278244075 (0xFF00D2EB)
YUV	150.0600, 41.8754, -131.6026
Hunter-Lab	72.1788, -32.2302, -20.6446

Details

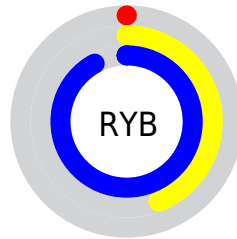
The Yxy color **52.0978, 0.2152, 0.2947** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **18.3551, 0.6329, 0.3357**, and the grayscale version is **30.3919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1847, 0.2420, 0.3288**, and **26.6974, 0.2128, 0.2861** is the 20% darker color. If you saturate the color by 10%, you get **52.0995, 0.2152, 0.2947**, and if you desaturate by 10%, it is **53.5308, 0.2175, 0.2983**.

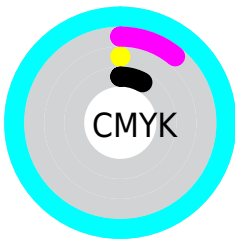
Distribution



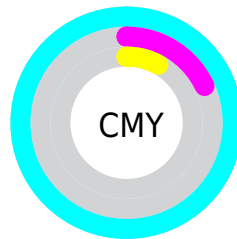
- Red (0%)
- Green (82%)
- Blue (92%)



- Red (0%)
- Yellow (44%)
- Blue (92%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (8%)





- Cyan (100%)
- Magenta (18%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 52.0978, 0.2152, 0.2947 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 52.0978, 0.2152, 0.2947 by changing the saturation by 10% instead.


 52.0978, 0.2152,
0.2947

 52.0978, 0.2152,
0.2947

 394.8141, 0.2609,
0.3130


 37.0830, 0.2048,
0.2899


 93.2755, 0.2311,
0.3016

 25.2718, 0.1920,
0.2837


 120.2071, 0.2373,
0.3041


 16.2797, 0.1759,
0.2753


 151.8799, 0.2426,
0.3062

 9.7223, 0.1553,
0.2635

 188.6782, 0.2472,
0.3080

 5.2152, 0.1284,
0.2461

 230.9863, 0.2513,
0.3095

 2.3741, 0.0929,
0.2187

 279.1888, 0.2549,

 0.8125, 0.0000,

0.3108

0.1810

333.6699, 0.2581,
0.3120

■ 0.0000, 0.0000,
0.0000

■ 52.0978, 0.2152,
0.2947

■ 52.0978, 0.2152,
0.2947

■ 52.0995, 0.2152,
0.2947

■ 53.5308, 0.2175,
0.2983

■ 55.2094, 0.2214,
0.3020

■ 57.2076, 0.2272,
0.3058

■ 59.5678, 0.2349,
0.3095

■ 62.3255, 0.2444,
0.3131

■ 65.5120, 0.2557,
0.3167

■ 69.1553, 0.2685,
0.3201

■ 73.2808, 0.2825,
0.3233

■ 77.9122, 0.2973,
0.3263

Harmonies

Analogous

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



52.0978, 0.2395, 0.3494



52.0978, 0.2152, 0.2947



52.0978, 0.2143, 0.2569

Triad

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



52.0978, 0.2152, 0.2947



52.0978, 0.3350, 0.2688



52.0978, 0.3893, 0.4227

Complementary

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



52.0978, 0.2152, 0.2947



18.3551, 0.6329, 0.3357

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.



52.0978, 0.4204, 0.3904



52.0978, 0.2152, 0.2947



52.0978, 0.3889, 0.3047

Square

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



52.0978, 0.2152, 0.2947



52.0978, 0.2790, 0.2460



52.0978, 0.4211, 0.3477



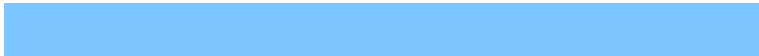
52.0978, 0.3390, 0.4303

Rectangle

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



52.0978, 0.2152, 0.2947



52.0978, 0.2266, 0.2439



52.0978, 0.4211, 0.3477



52.0978, 0.4024, 0.4139

Sweetspot

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



52.0997, 0.2152, 0.2947



83.1861, 0.2683, 0.3200



59.4761, 0.2984, 0.5943



17.3936, 0.2628, 0.3186



0.0000, 0.0000, 0.0000



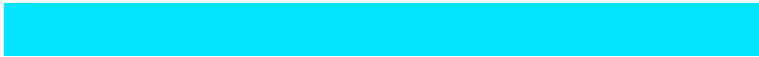
21.4041, 0.3127, 0.3290

Same Dimension

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



52.0997, 0.2152, 0.2947



62.6512, 0.2152, 0.2945



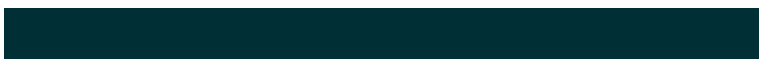
14.0028, 0.1677, 0.1236



16.8324, 0.2981, 0.3264



29.1114, 0.2154, 0.2953



2.3645, 0.2168, 0.3004

Inverse Universe

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



22.3149, 0.3501, 0.1702



26.8558, 0.3503, 0.1703



36.7095, 0.5135, 0.4305



15.2846, 0.3154, 0.3082



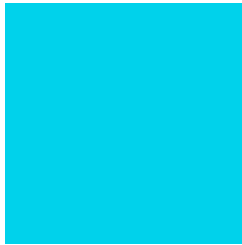
12.4316, 0.3496, 0.1699



0.9841, 0.3451, 0.1675

Previews

White Background



This preview shows how the Yxy color 52.0978, 0.2152, 0.2947 looks on a white background.

Color Contrast Check

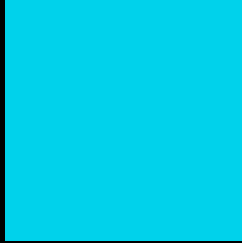
Large Text (above 18pt) WCAG AA × Fail

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 52.0978, 0.2152, 0.2947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

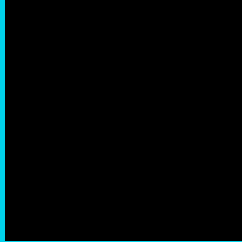
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.0978, 0.2152, 0.2947

Background



This preview shows how black text looks on a background with the Yxy color 52.0978, 0.2152, 0.2947.



This preview shows how white text looks on a background with the Yxy color 52.0978, 0.2152, 0.2947.

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

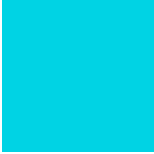
52.0913, 0.2152, 0.2947

Protanopia

51.3241, 0.2864, 0.2901

Deuteranopia

51.2328, 0.2710, 0.2653



Tritanopia

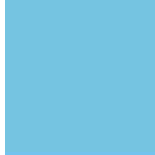
52.1900, 0.2181, 0.3052

Trichromacy



Original Color

52.0913, 0.2152, 0.2947



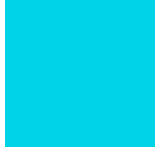
Protanomaly

48.6980, 0.2423, 0.2901



Deuteranomaly

48.8481, 0.2348, 0.2729



Tritanomaly

52.3581, 0.2170, 0.3013

Monochromacy



Original Color

52.0913, 0.2152, 0.2947



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

35.2741, 0.2480, 0.3145

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.0978, 0.2152, 0.2947 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, 210, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 210, 235)  
}
```

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, 210, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 210, 235) }
```

Border

The CSS property to change the border of an element to Yxy 52.0978, 0.2152, 0.2947 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, 210, 235) }
```

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

```
.border{ border-color:rgb(0, 210, 235) }
```

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

Here you see how a box with a 4 pixel rgb(0, 210, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 210, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 210, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 210,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 52.0978, 0.2152, 0.2947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 210, 235) }
```

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

```
.background{ background-color: rgb(0, 210,  
235) }
```

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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