

Converting Colors

$Y_{xy}(52.6404, 0.2158, 0.2968)$

Have a look what the booklet for
Yxy(52.6404, 0.2158, 0.2968)
contains.

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Color

Yxy(52.5867, 0.2156, 0.2961)

Conversions

Conversions Part 1

Format	Color
Hex	00D3EB
RGB	0, 211, 235
RGB Percent	0%, 83%, 92%
CMY	0.9990, 0.1725, 0.0785
CMYK	1.00, 0.10, 0.00, 0.08
HSL	186°, 100%, 46%
HSV	186°, 100%, 92%
XYZ	38.2901, 52.5867, 86.7210
YIQ	150.6470, -133.4600, -37.2680

Conversions

Conversions Part 2

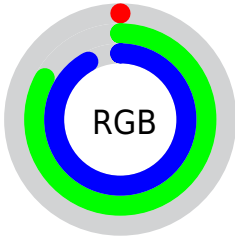
Format	Color
RYB	0, 111, 235
Decimal	54251
CIELab	77.63, -34.30, -23.96
CIELCh	78, 41.840, 214.932
Yxy	52.5867, 0.2156, 0.2961
Android (android.graphics.Color)	4278244331 (0xFF00D3EB)
YUV	150.6470, 41.5860, -132.1174
Hunter-Lab	72.5167, -32.6531, -20.1418

Details

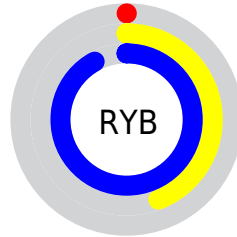
The Yxy color **52.5867, 0.2156, 0.2961** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **18.3240, 0.6331, 0.3354**, and the grayscale version is **30.6837, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1847, 0.2420, 0.3288**, and **27.0316, 0.2133, 0.2880** is the 20% darker color. If you saturate the color by 10%, you get **52.5745, 0.2156, 0.2961**, and if you desaturate by 10%, it is **53.9802, 0.2179, 0.2996**.

Distribution



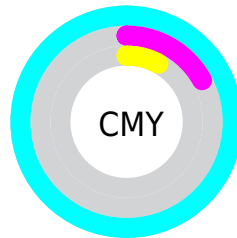
- Red (0%)
- Green (83%)
- Blue (92%)



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



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (8%)




- Cyan (100%)
- Magenta (17%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.5867, 0.2156, 0.2961 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 52.5867, 0.2156, 0.2961 by changing the saturation by 10% instead.


 52.5867, 0.2156,
0.2961

 52.5867, 0.2156,
0.2961


396.6974, 0.2611,
0.3137


 37.4729, 0.2052,
0.2915


 93.9959, 0.2314,
0.3027


 25.5739, 0.1925,
0.2854


 121.0602, 0.2375,
0.3051


 16.5051, 0.1765,
0.2773


 152.8767, 0.2428,
0.3072

 9.8823, 0.1561,
0.2659

 189.8299, 0.2474,
0.3089

 5.3210, 0.1294,
0.2491

 232.3042, 0.2515,
0.3104

 2.4368, 0.0940,
0.2224

280.6839, 0.2551,

 0.8447, 0.0000,

0.3116

0.1864

335.3536, 0.2582,
0.3128

■ 0.0000, 0.0000,
0.0000

■ 52.5867, 0.2156,
0.2961

■ 52.5867, 0.2156,
0.2961

■ 52.5745, 0.2156,
0.2961

■ 53.9802, 0.2179,
0.2996

■ 55.6194, 0.2217,
0.3031

■ 57.5771, 0.2274,
0.3067

■ 59.8958, 0.2351,
0.3103

■ 62.6110, 0.2447,
0.3138

■ 65.7537, 0.2559,
0.3172

■ 69.3520, 0.2687,
0.3205

■ 73.4313, 0.2826,
0.3235

■ 78.0151, 0.2975,
0.3264

Harmonies

Analogous

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



52.5867, 0.2406, 0.3511



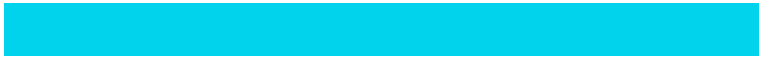
52.5867, 0.2156, 0.2961



52.5867, 0.2141, 0.2577

Triad

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



52.5867, 0.2156, 0.2961



52.5867, 0.3333, 0.2679



52.5867, 0.3905, 0.4220

Complementary

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



52.5867, 0.2156, 0.2961



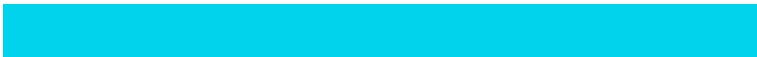
18.3240, 0.6331, 0.3354

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.



52.5867, 0.4209, 0.3892



52.5867, 0.2156, 0.2961



52.5867, 0.3875, 0.3036

Square

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



52.5867, 0.2156, 0.2961



52.5867, 0.2776, 0.2457



52.5867, 0.4206, 0.3464



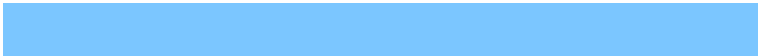
52.5867, 0.3406, 0.4305

Rectangle

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



52.5867, 0.2156, 0.2961



52.5867, 0.2259, 0.2443



52.5867, 0.4206, 0.3464



52.5867, 0.4034, 0.4130

Sweetspot

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



52.5886, 0.2156, 0.2961



83.3774, 0.2684, 0.3204



59.4774, 0.2984, 0.5942



17.4400, 0.2628, 0.3190



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.



52.5886, 0.2156, 0.2961



63.2263, 0.2155, 0.2959



14.0302, 0.1678, 0.1238



16.8435, 0.2981, 0.3265



29.3726, 0.2157, 0.2966



2.3824, 0.2171, 0.3015

Inverse Universe

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



22.3691, 0.3489, 0.1696



26.9139, 0.3490, 0.1696



36.7381, 0.5133, 0.4306



15.2857, 0.3154, 0.3081



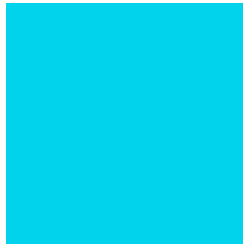
12.4580, 0.3484, 0.1693



0.9859, 0.3441, 0.1669

Previews

White Background



This preview shows how the Yxy color 52.5867, 0.2156, 0.2961 looks on a white background.

Color Contrast Check

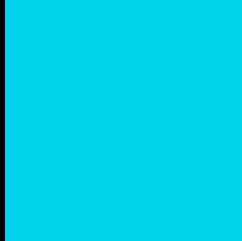
Large Text (above 18pt) WCAG AA × Fail

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 52.5867, 0.2156, 0.2961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

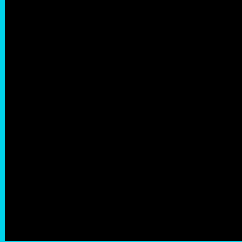
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.5867, 0.2156, 0.2961

Background



This preview shows how black text looks on a background with the Yxy color 52.5867, 0.2156, 0.2961.



This preview shows how white text looks on a background with the Yxy color 52.5867, 0.2156, 0.2961.

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

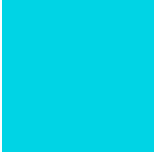
52.5867, 0.2156, 0.2961

Protanopia

51.8768, 0.2872, 0.2914

Deuteranopia

51.8992, 0.2725, 0.2667



Tritanopia

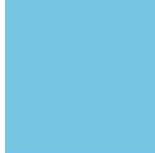
52.7441, 0.2182, 0.3053

Trichromacy



Original Color

52.5867, 0.2156, 0.2961



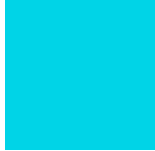
Protanomaly

49.2203, 0.2430, 0.2916



Deuteranomaly

49.4348, 0.2360, 0.2744



Tritanomaly

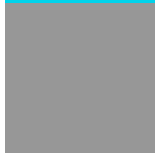
52.8565, 0.2174, 0.3027

Monochromacy



Original Color

52.5867, 0.2156, 0.2961



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

35.7513, 0.2483, 0.3146

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.5867, 0.2156, 0.2961 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, 211, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 211, 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, 211, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 211, 235) }
```

Border

The CSS property to change the border of an element to Yxy 52.5867, 0.2156, 0.2961 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, 211, 235) }
```

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

```
.border{ border-color:rgb(0, 211, 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, 211, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 211, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 211, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 211,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 52.5867, 0.2156, 0.2961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 211, 235) }
```

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

```
.background{ background-color: rgb(0, 211,  
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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