

Converting Colors

$Y_{xy}(57.9436, 0.2158, 0.2968)$

Have a look what the booklet for
Yxy(57.9436, 0.2158, 0.2968)
contains.

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Color

Yxy(57.7790, 0.2156, 0.2960)

Conversions

Conversions Part 1

Format	Color
Hex	01DCF5
RGB	1, 220, 245
RGB Percent	0%, 86%, 96%
CMY	0.9963, 0.1373, 0.0391
CMYK	1.00, 0.10, 0.00, 0.04
HSL	186°, 99%, 48%
HSV	186°, 100%, 96%
XYZ	42.0850, 57.7790, 95.3354
YIQ	157.3690, -138.5490, -38.6530

Conversions

Conversions Part 2

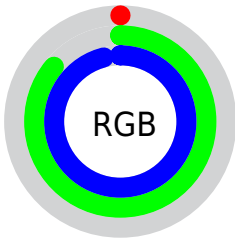
Format	Color
RYB	1, 116, 245
Decimal	122101
CIELab	80.62, -35.35, -24.76
CIELCh	81, 43.159, 215.002
Yxy	57.7790, 0.2156, 0.2960
Android (android.graphics.Color)	4278312181 (0xFF01DCF5)
YUV	157.3690, 43.2021, -137.1356
Hunter-Lab	76.0125, -34.1938, -21.1531

Details

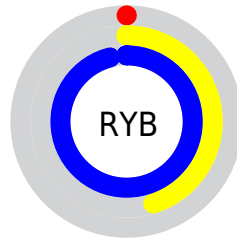
The Yxy color **57.7790, 0.2156, 0.2960** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light saturated cyan. A complement of this color would be **20.1555, 0.6328, 0.3353**, and the grayscale version is **33.7296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **30.2250, 0.2129, 0.2865** is the 20% darker color. If you saturate the color by 10%, you get **57.7245, 0.2155, 0.2959**, and if you desaturate by 10%, it is **59.3161, 0.2179, 0.2995**.

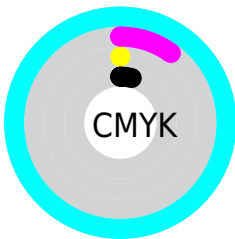
Distribution



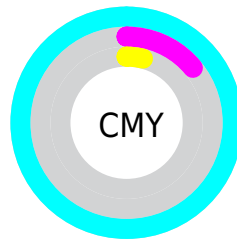
- Red (0%)
- Green (86%)
- Blue (96%)



- Red (0%)
- Yellow (45%)
- Blue (96%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (4%)





- Cyan (100%)
- Magenta (14%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.7790, 0.2156, 0.2960 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 57.7790, 0.2156, 0.2960 by changing the saturation by 10% instead.


 57.7790, 0.2156,
0.2960

 57.7790, 0.2156,
0.2960


416.3619, 0.2603,
0.3134


 41.6310, 0.2056,
0.2915


 101.6010, 0.2310,
0.3025


 28.8125, 0.1934,
0.2857


 130.0437, 0.2370,
0.3048


 18.9390, 0.1782,
0.2781


 163.3535, 0.2422,
0.3069

 11.6262, 0.1589,
0.2674

 201.9147, 0.2468,
0.3086

 6.4897, 0.1340,
0.2520

 246.1118, 0.2508,
0.3100

 3.1451, 0.1014,
0.2282

296.3291, 0.2543,

 1.2079, 0.0406,

0.3113

0.1929

352.9510, 0.2575,
0.3124

■ 0.0682, 0.0000,
0.0318

■ 0.0000, 0.0000,
0.0000

■ 57.7790, 0.2156,
0.2960

■ 57.7790, 0.2156,
0.2960

■ 57.7245, 0.2155,
0.2959

■ 59.3161, 0.2179,
0.2995

■ 61.1292, 0.2217,
0.3031

■ 63.2948, 0.2275,
0.3067

■ 65.8596, 0.2352,
0.3103

■ 68.8630, 0.2448,
0.3138

■ 72.3394, 0.2562,
0.3172

■ 76.3195, 0.2690,
0.3205

■ 80.8317, 0.2830,
0.3236

■ 85.9018, 0.2979,
0.3265

Harmonies

Analogous

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



57.7790, 0.2405, 0.3509



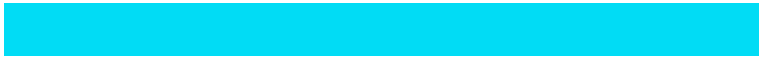
57.7790, 0.2156, 0.2960



57.7790, 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.



57.7790, 0.2156, 0.2960



57.7790, 0.3335, 0.2680



57.7790, 0.3903, 0.4220

Complementary

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



57.7790, 0.2156, 0.2960



20.1555, 0.6328, 0.3353

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.



57.7790, 0.4208, 0.3893



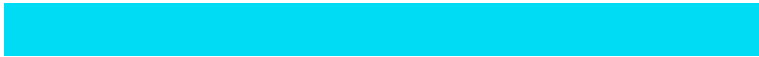
57.7790, 0.2156, 0.2960



57.7790, 0.3876, 0.3037

Square

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



57.7790, 0.2156, 0.2960



57.7790, 0.2777, 0.2457



57.7790, 0.4206, 0.3465



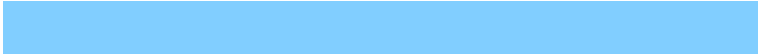
57.7790, 0.3404, 0.4305

Rectangle

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



57.7790, 0.2156, 0.2960



57.7790, 0.2260, 0.2443



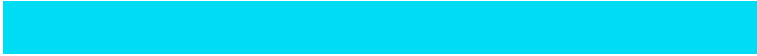
57.7790, 0.4206, 0.3465



57.7790, 0.4033, 0.4130

Sweetspot

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



57.7811, 0.2156, 0.2960



83.3607, 0.2684, 0.3204



65.3946, 0.2984, 0.5941



17.4360, 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.



57.7811, 0.2156, 0.2960



63.1760, 0.2155, 0.2958



15.4424, 0.1678, 0.1239



18.4503, 0.2981, 0.3265



31.2113, 0.2157, 0.2964



2.8253, 0.2169, 0.3009

Inverse Universe

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



24.6032, 0.3489, 0.1697



26.9088, 0.3491, 0.1697



40.4062, 0.5131, 0.4305



16.7373, 0.3154, 0.3080



13.2502, 0.3486, 0.1694



1.1728, 0.3447, 0.1672

Previews

White Background



This preview shows how the Yxy color 57.7790, 0.2156, 0.2960 looks on a white background.

Color Contrast Check

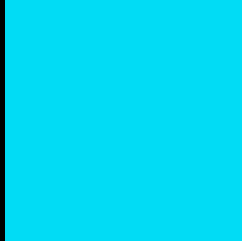
Large Text (above 18pt) WCAG AA × Fail

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 57.7790, 0.2156, 0.2960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

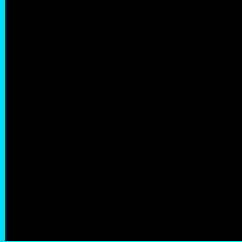
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.7790, 0.2156, 0.2960

Background



This preview shows how black text looks on a background with the Yxy color 57.7790, 0.2156, 0.2960.

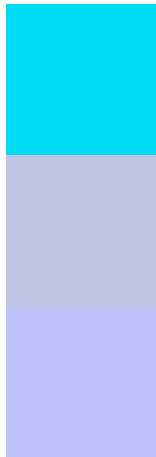


This preview shows how white text looks on a background with the Yxy color 57.7790, 0.2156, 0.2960.

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

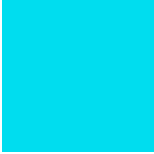
57.7854, 0.2156, 0.2960

Protanopia

56.9271, 0.2874, 0.2917

Deuteranopia

57.0716, 0.2721, 0.2658



Tritanopia

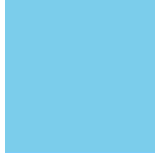
57.9449, 0.2180, 0.3049

Trichromacy



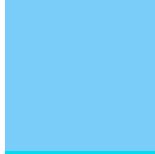
Original Color

57.7854, 0.2156, 0.2960



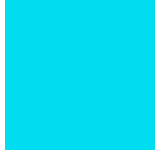
Protanomaly

53.8718, 0.2426, 0.2904



Deuteranomaly

54.1629, 0.2354, 0.2729



Tritanomaly

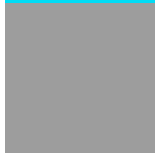
58.0638, 0.2173, 0.3024

Monochromacy



Original Color

57.7854, 0.2156, 0.2960



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

39.0260, 0.2484, 0.3151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.7790, 0.2156, 0.2960 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(1, 220, 245)` looks like.

```
.text, #text, p{  
    color:rgb(1, 220, 245)  
}
```

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(1, 220, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 220, 245) }
```

Border

The CSS property to change the border of an element to Yxy 57.7790, 0.2156, 0.2960 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(1, 220, 245) }
```

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

```
.border{ border-color:rgb(1, 220, 245) }
```

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

Here you see how a box with a 4 pixel rgb(1, 220, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 220, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 220, 245);  
box-shadow:4px 4px 4px 4px rgb(1, 220,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 57.7790, 0.2156, 0.2960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 220, 245) }
```

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

```
.background{ background-color: rgb(1, 220,  
245) }
```

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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