

Converting Colors

$Y_{xy}(55.5097, 0.2180, 0.3048)$

Have a look what the booklet for
Yxy(55.5097, 0.2180, 0.3048)
contains.

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Color

Yxy(55.6239, 0.2179, 0.3045)

Conversions

Conversions Part 1

Format	Color
Hex	00D9EB
RGB	0, 217, 235
RGB Percent	0%, 85%, 92%
CMY	1.0000, 0.1490, 0.0784
CMYK	1.00, 0.08, 0.00, 0.08
HSL	185°, 100%, 46%
HSV	185°, 100%, 92%
XYZ	39.8044, 55.6239, 87.2446
YIQ	154.1690, -135.1100, -40.4060

Conversions

Conversions Part 2

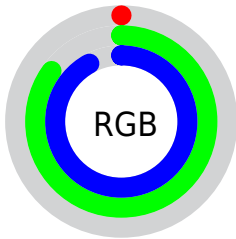
Format	Color
RYB	0, 113, 235
Decimal	55787
CIELab	79.40, -37.12, -21.28
CIELCh	79, 42.788, 209.824
Yxy	55.6239, 0.2179, 0.3045
Android (android.graphics.Color)	4278245867 (0xFF00D9EB)
YUV	154.1690, 39.8497, -135.2062
Hunter-Lab	74.5814, -35.2513, -17.1498

Details

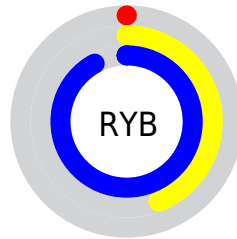
The Yxy color **55.6239, 0.2179, 0.3045** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **18.0971, 0.6356, 0.3336**, and the grayscale version is **32.2620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **29.0953, 0.2164, 0.2990** is the 20% darker color. If you saturate the color by 10%, you get **55.6291, 0.2179, 0.3045**, and if you desaturate by 10%, it is **56.7505, 0.2199, 0.3071**.

Distribution



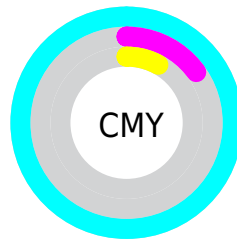
- Red (0%)
- Green (85%)
- Blue (92%)



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



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





- Cyan (100%)
- Magenta (15%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.6239, 0.2179, 0.3045 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 55.6239, 0.2179, 0.3045 by changing the saturation by 10% instead.


 55.6239, 0.2179,
0.3045


 55.6239, 0.2179,
0.3045


408.2726, 0.2620,
0.3179

 39.9015, 0.2079,
0.3009


 98.4545, 0.2332,
0.3096


 27.4617, 0.1956,
0.2962


 126.3314, 0.2391,
0.3114


 17.9203, 0.1803,
0.2898


 159.0286, 0.2443,
0.3130

 10.8928, 0.1607,
0.2806

 196.9305, 0.2487,
0.3143

 5.9948, 0.1350,
0.2670

 240.4214, 0.2527,
0.3154

 2.8419, 0.1009,
0.2449

289.8858, 0.2561,

 1.0498, 0.0170,

0.3164

0.2150

345.7081, 0.2592,
0.3172

■ 0.0000, 0.0000,
0.0000

■ 55.6239, 0.2179,
0.3045

■ 55.6239, 0.2179,
0.3045

■ 55.6291, 0.2179,
0.3045

■ 56.7505, 0.2199,
0.3071

■ 58.1103, 0.2234,
0.3097

■ 59.7804, 0.2288,
0.3123

■ 61.8033, 0.2361,
0.3150

■ 64.2146, 0.2453,
0.3176

■ 67.0453, 0.2563,
0.3201

■ 70.3234, 0.2688,
0.3226

■ 74.0744, 0.2826,
0.3249

■ 78.3217, 0.2973,
0.3270

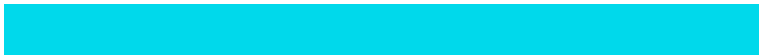
Harmonies

Analogous

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



55.6239, 0.2468, 0.3610



55.6239, 0.2179, 0.3045



55.6239, 0.2123, 0.2625

Triad

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



55.6239, 0.2179, 0.3045



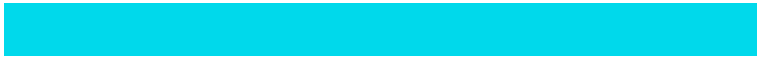
55.6239, 0.3235, 0.2628



55.6239, 0.3977, 0.4180

Complementary

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



55.6239, 0.2179, 0.3045



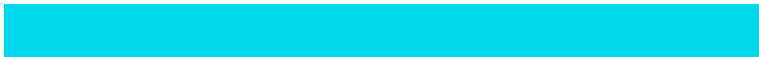
18.0971, 0.6356, 0.3336

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.



55.6239, 0.4236, 0.3825



55.6239, 0.2179, 0.3045



55.6239, 0.3795, 0.2967

Square

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



55.6239, 0.2179, 0.3045



55.6239, 0.2690, 0.2433



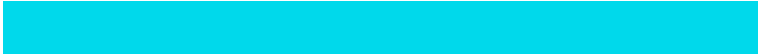
55.6239, 0.4175, 0.3389



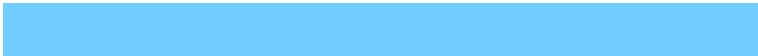
55.6239, 0.3499, 0.4318

Rectangle

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



55.6239, 0.2179, 0.3045



55.6239, 0.2216, 0.2465



55.6239, 0.4175, 0.3389



55.6239, 0.4094, 0.4078

Sweetspot

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



55.6291, 0.2179, 0.3045



84.5818, 0.2686, 0.3225



59.4605, 0.2991, 0.5967



17.7325, 0.2632, 0.3215



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.



55.6291, 0.2179, 0.3045



66.9030, 0.2179, 0.3044



15.4700, 0.1705, 0.1336



16.9128, 0.2981, 0.3271



31.0416, 0.2180, 0.3049



2.4964, 0.2190, 0.3085

Inverse Universe

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



22.6746, 0.3415, 0.1655



27.2850, 0.3416, 0.1655



34.4871, 0.5232, 0.4228



15.2927, 0.3150, 0.3075



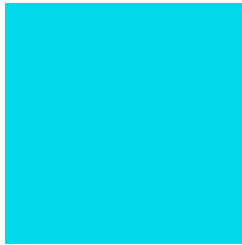
12.6265, 0.3411, 0.1653



0.9974, 0.3380, 0.1636

Previews

White Background



This preview shows how the Yxy color 55.6239, 0.2179, 0.3045 looks on a white background.

Color Contrast Check

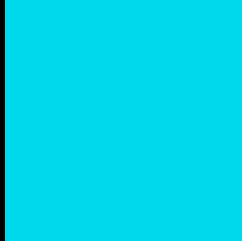
Large Text (above 18pt) WCAG AA × Fail

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 55.6239, 0.2179, 0.3045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

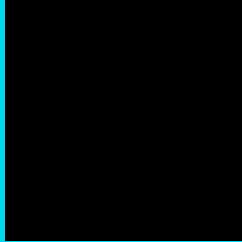
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.6239, 0.2179, 0.3045

Background



This preview shows how black text looks on a background with the Yxy color 55.6239, 0.2179, 0.3045.

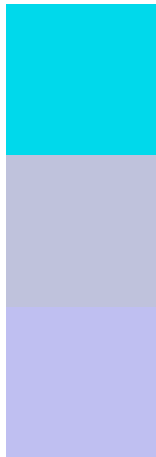


This preview shows how white text looks on a background with the Yxy color 55.6239, 0.2179, 0.3045.

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

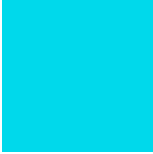
55.6239, 0.2179, 0.3045

Protanopia

54.8272, 0.2918, 0.2980

Deuteranopia

54.6888, 0.2779, 0.2714



Tritanopia

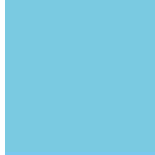
55.6239, 0.2179, 0.3045

Trichromacy



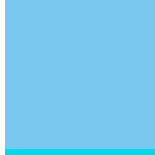
Original Color

55.6239, 0.2179, 0.3045



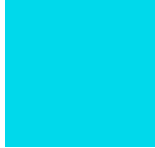
Protanomaly

51.8149, 0.2463, 0.2986



Deuteranomaly

51.6781, 0.2389, 0.2790



Tritanomaly

55.6239, 0.2179, 0.3045

Monochromacy



Original Color

55.6239, 0.2179, 0.3045



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

37.4598, 0.2499, 0.3195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.6239, 0.2179, 0.3045 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, 217, 235)` looks like.

```
.text, #text, p{  
  color:rgb(0, 217, 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, 217, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 217, 235) }
```

Border

The CSS property to change the border of an element to Yxy 55.6239, 0.2179, 0.3045 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, 217, 235) }
```

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

```
.border{ border-color:rgb(0, 217, 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, 217, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 217, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 217, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 217,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 55.6239, 0.2179, 0.3045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 217, 235) }
```

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

```
.background{ background-color: rgb(0, 217,  
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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