

Converting Colors

$Y_{xy}(56.7179, 0.2179, 0.3043)$

Have a look what the booklet for
Yxy(56.7179, 0.2179, 0.3043)
contains.

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Color

Yxy(56.7839, 0.2180, 0.3047)

Conversions

Conversions Part 1

Format	Color
Hex	01DBED
RGB	1, 219, 237
RGB Percent	0%, 86%, 93%
CMY	0.9980, 0.1411, 0.0705
CMYK	1.00, 0.08, 0.00, 0.07
HSL	185°, 100%, 47%
HSV	185°, 100%, 93%
XYZ	40.6265, 56.7839, 88.9496
YIQ	155.8700, -135.7060, -40.6180

Conversions

Conversions Part 2

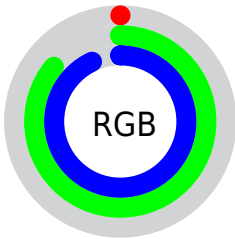
Format	Color
RYB	1, 114, 237
Decimal	121837
CIELab	80.06, -37.40, -21.35
CIELCh	80, 43.065, 209.715
Yxy	56.7839, 0.2180, 0.3047
Android (android.graphics.Color)	4278311917 (0xFF01DBED)
YUV	155.8700, 39.9971, -135.8210
Hunter-Lab	75.3551, -35.6360, -17.2377

Details

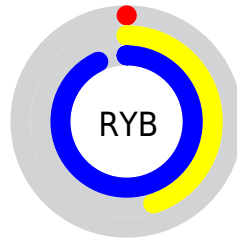
The Yxy color **56.7839, 0.2180, 0.3047** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **18.4578, 0.6353, 0.3335**, and the grayscale version is **32.9837, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **29.5306, 0.2160, 0.2975** is the 20% darker color. If you saturate the color by 10%, you get **56.7621, 0.2180, 0.3046**, and if you desaturate by 10%, it is **57.9262, 0.2200, 0.3073**.

Distribution



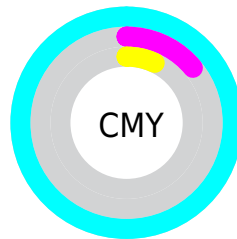
- Red (0%)
- Green (86%)
- Blue (93%)



- Red (0%)
- Yellow (45%)
- Blue (93%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (7%)





- Cyan (100%)
- Magenta (14%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.7839, 0.2180, 0.3047 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 56.7839, 0.2180, 0.3047 by changing the saturation by 10% instead.


 56.7839, 0.2180,
0.3047

 56.7839, 0.2180,
0.3047


412.6391, 0.2619,
0.3180

 40.8318, 0.2081,
0.3011


 100.1498, 0.2332,
0.3097


 28.1877, 0.1959,
0.2965


 128.3324, 0.2391,
0.3116

 18.4672, 0.1808,
0.2902

 161.3605, 0.2442,
0.3131

 11.2859, 0.1614,
0.2813

 199.6187, 0.2487,
0.3144

 6.2595, 0.1361,
0.2679

 243.4912, 0.2526,
0.3155

 3.0035, 0.1026,
0.2466

293.3625, 0.2560,

 1.1336, 0.0277,

0.3164

0.2163

349.6170, 0.2591,
0.3173

■ 0.0064, 0.0000,
0.0040

■ 0.0000, 0.0000,
0.0000

■ 56.7839, 0.2180,
0.3047

■ 56.7839, 0.2180,
0.3047

■ 56.7621, 0.2180,
0.3046

■ 57.9262, 0.2200,
0.3073

■ 59.3128, 0.2235,
0.3098

■ 61.0168, 0.2289,
0.3125

■ 63.0814, 0.2363,
0.3151

■ 65.5427, 0.2455,
0.3177

■ 68.4325, 0.2565,
0.3202

■ 71.7791, 0.2691,
0.3226

■ 75.6087, 0.2829,
0.3249

■ 79.9451, 0.2976,
0.3271

Harmonies

Analogous

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



56.7839, 0.2470, 0.3612



56.7839, 0.2180, 0.3047



56.7839, 0.2123, 0.2626

Triad

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



56.7839, 0.2180, 0.3047



56.7839, 0.3232, 0.2627



56.7839, 0.3978, 0.4179

Complementary

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



56.7839, 0.2180, 0.3047



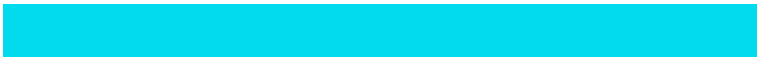
18.4578, 0.6353, 0.3335

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.



56.7839, 0.4236, 0.3823



56.7839, 0.2180, 0.3047



56.7839, 0.3793, 0.2966

Square

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



56.7839, 0.2180, 0.3047



56.7839, 0.2688, 0.2433



56.7839, 0.4174, 0.3388



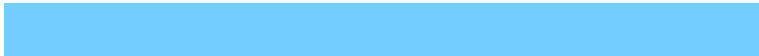
56.7839, 0.3501, 0.4318

Rectangle

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



56.7839, 0.2180, 0.3047



56.7839, 0.2216, 0.2466



56.7839, 0.4174, 0.3388



56.7839, 0.4094, 0.4076

Sweetspot

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



56.7860, 0.2180, 0.3047



84.6042, 0.2686, 0.3226



60.6181, 0.2991, 0.5966



17.7380, 0.2632, 0.3216



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.



56.7860, 0.2180, 0.3047



66.9725, 0.2179, 0.3045



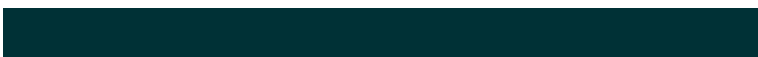
15.8189, 0.1706, 0.1340



16.9141, 0.2981, 0.3271



31.0731, 0.2181, 0.3051



2.4985, 0.2191, 0.3086

Inverse Universe

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



23.1331, 0.3413, 0.1654



27.2921, 0.3414, 0.1655



35.2057, 0.5229, 0.4229



15.2928, 0.3150, 0.3075



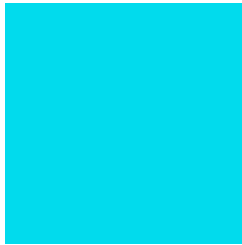
12.6297, 0.3410, 0.1652



0.9976, 0.3379, 0.1635

Previews

White Background



This preview shows how the Yxy color 56.7839, 0.2180, 0.3047 looks on a white background.

Color Contrast Check

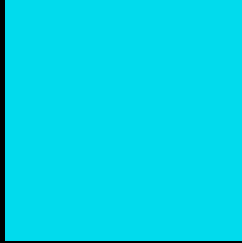
Large Text (above 18pt) WCAG AA × Fail

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 56.7839, 0.2180, 0.3047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

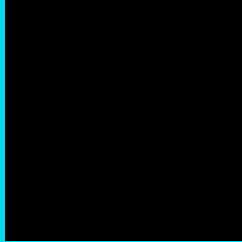
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.7839, 0.2180, 0.3047

Background



This preview shows how black text looks on a background with the Yxy color 56.7839, 0.2180, 0.3047.



This preview shows how white text looks on a background with the Yxy color 56.7839, 0.2180, 0.3047.

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

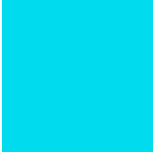
56.7839, 0.2180, 0.3047

Protanopia

55.5881, 0.2927, 0.2982

Deuteranopia

55.9484, 0.2782, 0.2719



Tritanopia

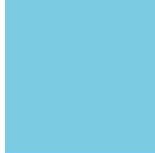
56.7775, 0.2180, 0.3047

Trichromacy



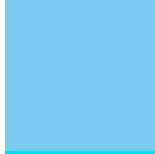
Original Color

56.7839, 0.2180, 0.3047



Protanomaly

52.9427, 0.2463, 0.2988



Deuteranomaly

52.8029, 0.2390, 0.2794



Tritanomaly

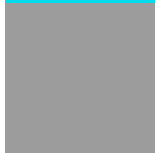
56.7775, 0.2180, 0.3047

Monochromacy



Original Color

56.7839, 0.2180, 0.3047



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

38.3956, 0.2499, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7839, 0.2180, 0.3047 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, 219, 237)` looks like.

```
.text, #text, p{  
    color:rgb(1, 219, 237)  
}
```

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, 219, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 219, 237) }
```

Border

The CSS property to change the border of an element to Yxy 56.7839, 0.2180, 0.3047 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, 219, 237) }
```

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

```
.border{ border-color:rgb(1, 219, 237) }
```

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

Here you see how a box with a 4 pixel rgb(1, 219, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 219, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 219, 237);  
box-shadow:4px 4px 4px 4px rgb(1, 219,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7839, 0.2180, 0.3047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 219, 237) }
```

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

```
.background{ background-color: rgb(1, 219,  
237) }
```

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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