

Converting Colors

$Yxy(56.4506, 0.2185, 0.3065)$

Have a look what the booklet for
Yxy(56.4506, 0.2185, 0.3065)
contains.

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Color

Yxy(56.6676, 0.2187, 0.3073)

Conversions

Conversions Part 1

Format	Color
Hex	00DBEB
RGB	0, 219, 235
RGB Percent	0%, 86%, 92%
CMY	1.0000, 0.1411, 0.0784
CMYK	1.00, 0.07, 0.00, 0.08
HSL	184°, 100%, 46%
HSV	184°, 100%, 92%
XYZ	40.3293, 56.6676, 87.4079
YIQ	155.3430, -135.6600, -41.4520

Conversions

Conversions Part 2

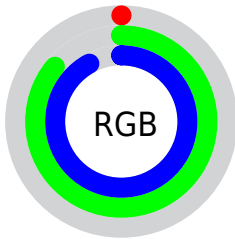
Format	Color
RYB	0, 113, 235
Decimal	56299
CIELab	79.99, -38.04, -20.37
CIELCh	80, 43.152, 208.173
Yxy	56.6676, 0.2187, 0.3073
Android (android.graphics.Color)	4278246379 (0xFF00DBEB)
YUV	155.3430, 39.2709, -136.2358
Hunter-Lab	75.2779, -36.1068, -16.1492

Details

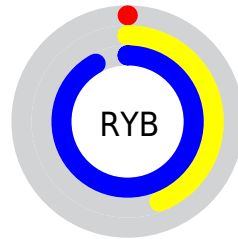
The Yxy color **56.6676, 0.2187, 0.3073** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **18.0323, 0.6362, 0.3330**, and the grayscale version is **32.8112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **29.4491, 0.2169, 0.3008** is the 20% darker color. If you saturate the color by 10%, you get **56.6693, 0.2187, 0.3073**, and if you desaturate by 10%, it is **57.6959, 0.2206, 0.3096**.

Distribution



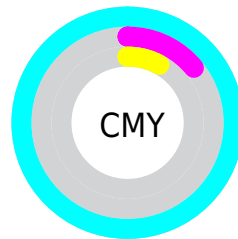
- Red (0%)
- Green (86%)
- Blue (92%)



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



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




- Cyan (100%)
- Magenta (14%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.6676, 0.2187, 0.3073 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 56.6676, 0.2187, 0.3073 by changing the saturation by 10% instead.


 56.6676, 0.2187,
0.3073


 56.6676, 0.2187,
0.3073

412.2026, 0.2623,
0.3194


 40.7384, 0.2088,
0.3040


 99.9800, 0.2338,
0.3119

 28.1148, 0.1967,
0.2997


 128.1320, 0.2397,
0.3136

 18.4122, 0.1816,
0.2939


 161.1271, 0.2448,
0.3149

 11.2463, 0.1622,
0.2855

 199.3497, 0.2492,
0.3161

 6.2328, 0.1369,
0.2729

 243.1842, 0.2531,
0.3171

 2.9871, 0.1032,
0.2525

293.0148, 0.2565,

 1.1250, 0.0245,

0.3180

0.2242

349.2262, 0.2596,
0.3187

■ 0.0000, 0.0000,
0.0000

■ 56.6676, 0.2187,
0.3073

■ 56.6676, 0.2187,
0.3073

■ 56.6693, 0.2187,
0.3073

■ 57.6959, 0.2206,
0.3096

■ 58.9584, 0.2240,
0.3119

■ 60.5291, 0.2292,
0.3142

■ 62.4503, 0.2364,
0.3165

■ 64.7578, 0.2456,
0.3189

■ 67.4824, 0.2564,
0.3211

■ 70.6523, 0.2689,
0.3233

■ 74.2927, 0.2826,
0.3253

■ 78.4273, 0.2973,
0.3272

Harmonies

Analogous

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



56.6676, 0.2489, 0.3643



56.6676, 0.2187, 0.3073



56.6676, 0.2118, 0.2641

Triad

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



56.6676, 0.2187, 0.3073



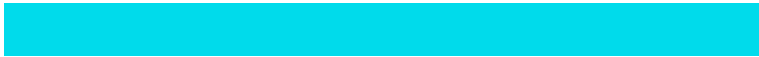
56.6676, 0.3203, 0.2612



56.6676, 0.4000, 0.4166

Complementary

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



56.6676, 0.2187, 0.3073



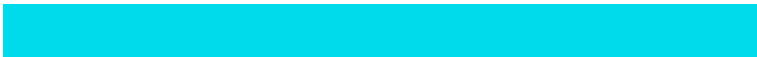
18.0323, 0.6362, 0.3330

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.



56.6676, 0.4244, 0.3803



56.6676, 0.2187, 0.3073



56.6676, 0.3768, 0.2945

Square

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



56.6676, 0.2187, 0.3073



56.6676, 0.2663, 0.2425



56.6676, 0.4164, 0.3365



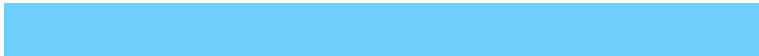
56.6676, 0.3530, 0.4321

Rectangle

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



56.6676, 0.2187, 0.3073



56.6676, 0.2203, 0.2473



56.6676, 0.4164, 0.3365



56.6676, 0.4112, 0.4061

Sweetspot

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



56.6697, 0.2187, 0.3073



84.9893, 0.2687, 0.3232



59.4527, 0.2991, 0.5967



17.8316, 0.2633, 0.3223



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.



56.6697, 0.2187, 0.3073



68.1691, 0.2187, 0.3072



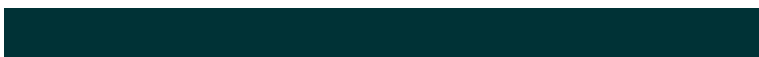
15.4689, 0.1705, 0.1337



16.9362, 0.2981, 0.3273



31.6160, 0.2188, 0.3077



2.5355, 0.2197, 0.3108

Inverse Universe

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



22.7775, 0.3390, 0.1641



27.4129, 0.3391, 0.1642



34.4835, 0.5232, 0.4228



15.2951, 0.3148, 0.3073



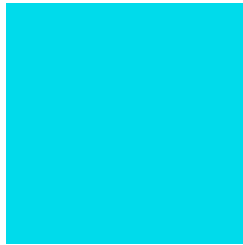
12.6845, 0.3387, 0.1640



1.0014, 0.3360, 0.1625

Previews

White Background



This preview shows how the Yxy color 56.6676, 0.2187, 0.3073 looks on a white background.

Color Contrast Check

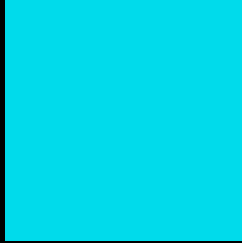
Large Text (above 18pt) WCAG AA × Fail

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 56.6676, 0.2187, 0.3073 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 56.6676, 0.2187, 0.3073

Background



This preview shows how black text looks on a background with the Yxy color 56.6676, 0.2187, 0.3073.

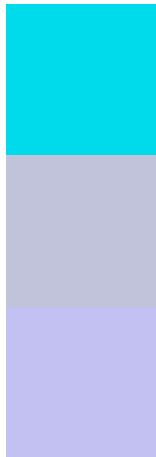


This preview shows how white text looks on a background with the Yxy color 56.6676, 0.2187, 0.3073.

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

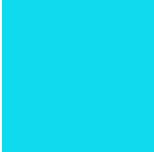
56.6612, 0.2187, 0.3073

Protanopia

55.4821, 0.2940, 0.3005

Deuteranopia

55.9601, 0.2801, 0.2741



Tritanopia

56.8708, 0.2186, 0.3047

Trichromacy



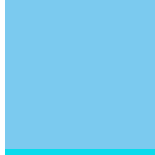
Original Color

56.6612, 0.2187, 0.3073



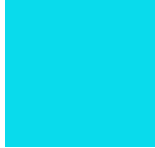
Protanomaly

52.8329, 0.2473, 0.3013



Deuteranomaly

52.6840, 0.2399, 0.2817



Tritanomaly

56.7772, 0.2187, 0.3060

Monochromacy



Original Color

56.6612, 0.2187, 0.3073



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

37.9541, 0.2502, 0.3195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.6676, 0.2187, 0.3073 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, 219, 235)` looks like.

```
.text, #text, p{  
  color:rgb(0, 219, 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, 219, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 235) }
```

Border

The CSS property to change the border of an element to Yxy 56.6676, 0.2187, 0.3073 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, 219, 235) }
```

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

```
.border{ border-color:rgb(0, 219, 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, 219, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 219,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 56.6676, 0.2187, 0.3073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 219, 235) }
```

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

```
.background{ background-color: rgb(0, 219,  
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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