

Converting Colors

$Y_{xy}(56.2389, 0.2200, 0.3120)$

Have a look what the booklet for
Yxy(56.2389, 0.2200, 0.3120)
contains.

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Color

Yxy(56.4326, 0.2201, 0.3125)

Conversions

Conversions Part 1

Format	Color
Hex	00DBE7
RGB	0, 219, 231
RGB Percent	0%, 86%, 91%
CMY	1.0000, 0.1411, 0.0941
CMYK	1.00, 0.05, 0.00, 0.09
HSL	183°, 100%, 45%
HSV	183°, 100%, 91%
XYZ	39.7466, 56.4326, 84.4051
YIQ	154.8870, -134.3760, -42.6960

Conversions

Conversions Part 2

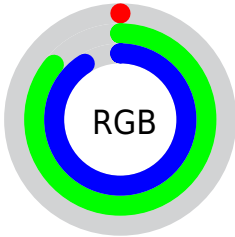
Format	Color
RYB	0, 112, 231
Decimal	56295
CIELab	79.86, -39.29, -18.45
CIELCh	80, 43.402, 205.156
Yxy	56.4326, 0.2201, 0.3125
Android (android.graphics.Color)	4278246375 (0xFF00DBE7)
YUV	154.8870, 37.5237, -135.8359
Hunter-Lab	75.1216, -37.0191, -14.0319

Details

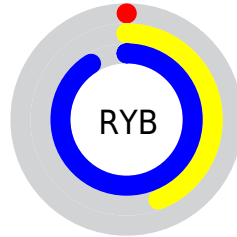
The Yxy color **56.4326, 0.2201, 0.3125** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **17.2533, 0.6372, 0.3322**, and the grayscale version is **32.6059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **29.2895, 0.2188, 0.3075** is the 20% darker color. If you saturate the color by 10%, you get **56.4410, 0.2201, 0.3125**, and if you desaturate by 10%, it is **57.2525, 0.2219, 0.3142**.

Distribution



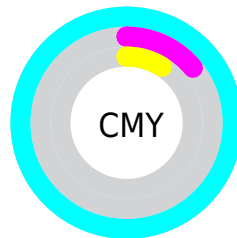
- Red (0%)
- Green (86%)
- Blue (91%)



- Red (0%)
- Yellow (44%)
- Blue (91%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (9%)





- Cyan (100%)
- Magenta (14%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.4326, 0.2201, 0.3125 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 56.4326, 0.2201, 0.3125 by changing the saturation by 10% instead.


 56.4326, 0.2201,
0.3125

 56.4326, 0.2201,
0.3125


411.3198, 0.2632,
0.3220

 40.5499, 0.2103,
0.3098


 99.6368, 0.2350,
0.3162


 27.9675, 0.1983,
0.3063


 127.7271, 0.2409,
0.3175

 18.3012, 0.1832,
0.3013


 160.6553, 0.2459,
0.3186

 11.1664, 0.1639,
0.2942

 198.8059, 0.2502,
0.3195

 6.1789, 0.1384,
0.2832

 242.5632, 0.2541,
0.3203

 2.9542, 0.1044,
0.2647

292.3117, 0.2575,

 1.1079, 0.0171,

0.3210

348.4358, 0.2605,
0.3215

0.2411

■ 0.0000, 0.0000,
0.0000

■ 56.4326, 0.2201,
0.3125

■ 56.4326, 0.2201,
0.3125

■ 56.4410, 0.2201,
0.3125

■ 57.2525, 0.2219,
0.3142

■ 58.2874, 0.2251,
0.3159

■ 59.6154, 0.2302,
0.3177

■ 61.2770, 0.2371,
0.3195

■ 63.3063, 0.2461,
0.3212

■ 65.7332, 0.2568,
0.3230

■ 68.5842, 0.2691,
0.3246

■ 71.8839, 0.2827,
0.3262

■ 75.6548, 0.2973,
0.3276

Harmonies

Analogous

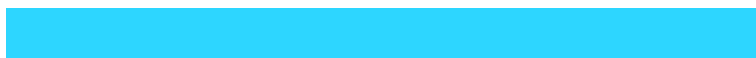
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.4326, 0.2526, 0.3703



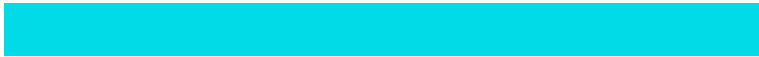
56.4326, 0.2201, 0.3125



56.4326, 0.2108, 0.2670

Triad

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



56.4326, 0.2201, 0.3125



56.4326, 0.3144, 0.2581



56.4326, 0.4043, 0.4142

Complementary

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



56.4326, 0.2201, 0.3125



17.2533, 0.6372, 0.3322

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.



56.4326, 0.4260, 0.3763



56.4326, 0.2201, 0.3125



56.4326, 0.3720, 0.2903

Square

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



56.4326, 0.2201, 0.3125



56.4326, 0.2612, 0.2411



56.4326, 0.4145, 0.3321



56.4326, 0.3586, 0.4327

Rectangle

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



56.4326, 0.2201, 0.3125



56.4326, 0.2177, 0.2486



56.4326, 0.4145, 0.3321



56.4326, 0.4148, 0.4030

Sweetspot

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



56.4410, 0.2201, 0.3125



85.7561, 0.2688, 0.3246



57.1827, 0.2993, 0.5976



18.0181, 0.2635, 0.3239



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.



56.4410, 0.2201, 0.3125



70.5814, 0.2201, 0.3124



15.6615, 0.1720, 0.1390



16.2014, 0.2982, 0.3277



31.6968, 0.2202, 0.3128



2.3818, 0.2209, 0.3153

Inverse Universe

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



22.1058, 0.3346, 0.1617



27.6564, 0.3346, 0.1617



32.1836, 0.5280, 0.4190



14.6016, 0.3146, 0.3070



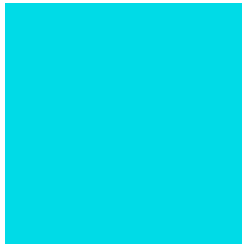
12.3975, 0.3343, 0.1615



0.9201, 0.3322, 0.1604

Previews

White Background



This preview shows how the Yxy color 56.4326, 0.2201, 0.3125 looks on a white background.

Color Contrast Check

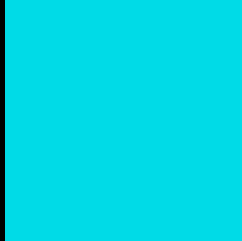
Large Text (above 18pt) WCAG AA × Fail

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 56.4326, 0.2201, 0.3125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

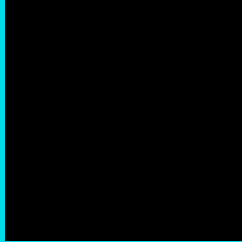
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.4326, 0.2201, 0.3125

Background



This preview shows how black text looks on a background with the Yxy color 56.4326, 0.2201, 0.3125.



This preview shows how white text looks on a background with the Yxy color 56.4326, 0.2201, 0.3125.

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

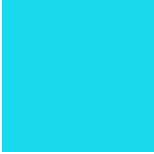
56.4326, 0.2201, 0.3125

Protanopia

55.4574, 0.2969, 0.3040

Deuteranopia

55.4158, 0.2834, 0.2772



Tritanopia

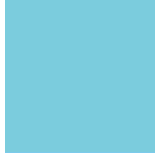
56.3931, 0.2193, 0.3047

Trichromacy



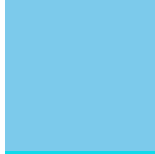
Original Color

56.4326, 0.2201, 0.3125



Protanomaly

52.6171, 0.2493, 0.3064



Deuteranomaly

52.5243, 0.2423, 0.2865



Tritanomaly

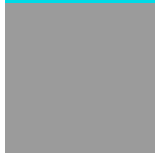
56.1849, 0.2194, 0.3072

Monochromacy



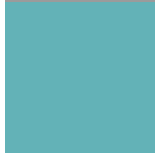
Original Color

56.4326, 0.2201, 0.3125



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

37.9123, 0.2508, 0.3211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.4326, 0.2201, 0.3125 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, 231)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 231)  
}
```

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, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 231) }
```

Border

The CSS property to change the border of an element to Yxy 56.4326, 0.2201, 0.3125 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, 231) }
```

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

```
.border{ border-color:rgb(0, 219, 231) }
```

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, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 231);  
box-shadow:4px 4px 4px 4px rgb(0, 219,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 56.4326, 0.2201, 0.3125 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, 231) }
```

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

```
.background{ background-color: rgb(0, 219,  
231) }
```

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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