

Converting Colors

$Y_{xy}(55.8488, 0.2279, 0.3308)$

Have a look what the booklet for
Yxy(55.8488, 0.2279, 0.3308)
contains.

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Color

Yxy(56.0301, 0.2281, 0.3315)

Conversions

Conversions Part 1

Format	Color
Hex	23DBD9
RGB	35, 219, 217
RGB Percent	14%, 86%, 85%
CMY	0.8622, 0.1412, 0.1490
CMYK	0.84, 0.00, 0.01, 0.14
HSL	179°, 72%, 50%
HSV	179°, 84%, 86%
XYZ	38.5534, 56.0301, 74.4364
YIQ	163.7560, -109.0220, -39.6300

Conversions

Conversions Part 2

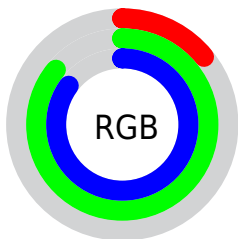
Format	Color
RYB	35, 128, 219
Decimal	2350041
CIELab	79.63, -42.08, -11.31
CIELCh	80, 43.572, 195.038
Yxy	56.0301, 0.2281, 0.3315
Android (android.graphics.Color)	4280540121 (0xFF23DBD9)
YUV	163.7560, 26.2493, -112.9190
Hunter-Lab	74.8533, -39.0561, -6.5625

Details

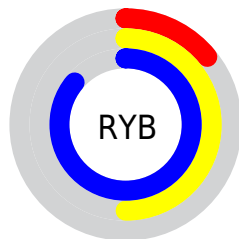
The Yxy color **56.0301, 0.2281, 0.3315** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.4048, 0.6043, 0.3288**, and the grayscale version is **36.9359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6619, 0.2443, 0.3288**, and **28.8030, 0.2252, 0.3306** is the 20% darker color. If you saturate the color by 10%, you get **55.7475, 0.2262, 0.3318**, and if you desaturate by 10%, it is **56.5558, 0.2317, 0.3312**.

Distribution



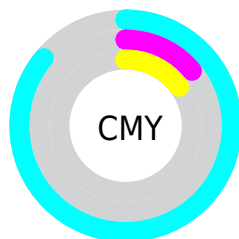
- Red (14%)
- Green (86%)
- Blue (85%)



- Red (14%)
- Yellow (50%)
- Blue (86%)



- Cyan (84%)
- Magenta (0%)
- Yellow (1%)
- Black (14%)





- Cyan (86%)
- Magenta (14%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.0301, 0.2281, 0.3315 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 56.0301, 0.2281, 0.3315 by changing the saturation by 10% instead.


 56.0301, 0.2281,
0.3315

 56.0301, 0.2281,
0.3315


409.8049, 0.2679,
0.3315


 40.2271, 0.2189,
0.3312


 99.0486, 0.2420,
0.3318

 27.7156, 0.2075,
0.3306


 127.0328, 0.2474,
0.3318


 18.1114, 0.1932,
0.3295


 159.8462, 0.2520,
0.3318

 11.0300, 0.1745,
0.3275

 197.8732, 0.2560,
0.3317

 6.0870, 0.1494,
0.3236

 241.4982, 0.2596,
0.3317

 2.8981, 0.1147,
0.3154

291.1055, 0.2627,

 1.0787, 0.0000,

0.3316

0.3168

347.0797, 0.2655,
0.3316

■ 0.0000, 0.0000,
0.0000

■ 56.0301, 0.2281,
0.3315

■ 56.0301, 0.2281,
0.3315

■ 55.7475, 0.2262,
0.3318

■ 56.5558, 0.2317,
0.3312

■ 55.6526, 0.2256,
0.3320

■ 57.3569, 0.2373,
0.3308

■ 58.4671, 0.2448,
0.3305

■ 59.9139, 0.2541,
0.3302

■ 61.7216, 0.2652,
0.3299

■ 63.9125, 0.2779,
0.3296

■ 66.5069, 0.2918,
0.3293

■ 69.5236, 0.3066,
0.3291

■ 72.9806, 0.3222,
0.3289

Harmonies

Analogous

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



56.0301, 0.2678, 0.3893



56.0301, 0.2281, 0.3315



56.0301, 0.2107, 0.2798

Triad

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



56.0301, 0.2281, 0.3315



56.0301, 0.2950, 0.2500



56.0301, 0.4155, 0.4032

Complementary

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



56.0301, 0.2281, 0.3315



16.4048, 0.6043, 0.3288

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.



56.0301, 0.4267, 0.3617



56.0301, 0.2281, 0.3315



56.0301, 0.3535, 0.2778

Square

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



56.0301, 0.2281, 0.3315



56.0301, 0.2464, 0.2390



56.0301, 0.4036, 0.3172



56.0301, 0.3762, 0.4303

Rectangle

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



56.0301, 0.2281, 0.3315



56.0301, 0.2124, 0.2562



56.0301, 0.4036, 0.3172



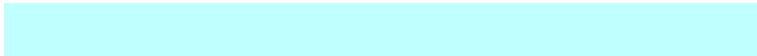
56.0301, 0.4229, 0.3903

Sweetspot

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



56.0322, 0.2281, 0.3315



89.8046, 0.2762, 0.3296



51.2002, 0.3014, 0.5836



18.9790, 0.2716, 0.3297



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.



56.0322, 0.2281, 0.3315



78.5640, 0.2256, 0.3321



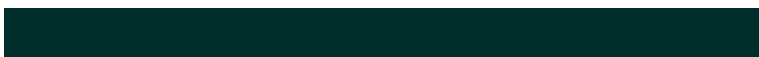
21.4758, 0.1901, 0.1901



14.8270, 0.2984, 0.3292



33.0012, 0.2256, 0.3320



2.1388, 0.2254, 0.3314

Inverse Universe

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



16.4048, 0.6043, 0.3288



21.2660, 0.6393, 0.3295



29.5993, 0.5122, 0.4128



13.0538, 0.3290, 0.3288



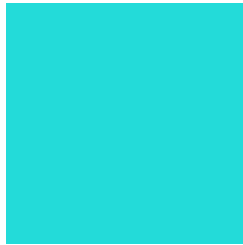
8.9340, 0.6388, 0.3293



0.5796, 0.6351, 0.3272

Previews

White Background



This preview shows how the Yxy color 56.0301, 0.2281, 0.3315 looks on a white background.

Color Contrast Check

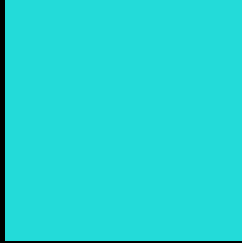
Large Text (above 18pt) WCAG AA × Fail

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 56.0301, 0.2281, 0.3315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

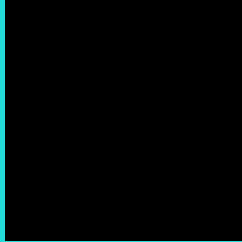
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

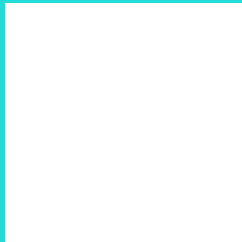
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.0301, 0.2281, 0.3315

Background



This preview shows how black text looks on a background with the Yxy color 56.0301, 0.2281, 0.3315.

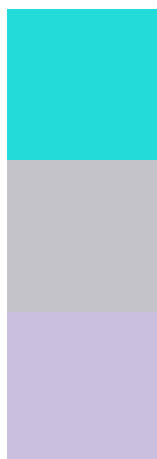


This preview shows how white text looks on a background with the Yxy color 56.0301, 0.2281, 0.3315.

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

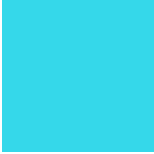
56.0301, 0.2281, 0.3315

Protanopia

55.1648, 0.3092, 0.3206

Deuteranopia

55.1459, 0.2980, 0.2919



Tritanopia

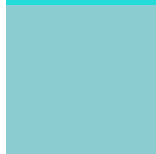
55.8091, 0.2232, 0.3047

Trichromacy



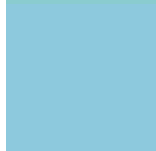
Original Color

56.0301, 0.2281, 0.3315



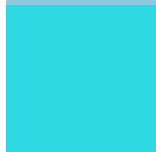
Protanomaly

53.0940, 0.2652, 0.3249



Deuteranomaly

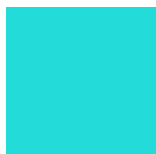
52.6565, 0.2585, 0.3030



Tritanomaly

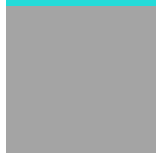
55.8315, 0.2248, 0.3139

Monochromacy



Original Color

56.0301, 0.2281, 0.3315



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

41.4818, 0.2630, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.0301, 0.2281, 0.3315 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(35, 219, 217)` looks like.

```
.text, #text, p{  
    color:rgb(35, 219, 217)  
}
```

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(35, 219, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 219, 217) }
```

Border

The CSS property to change the border of an element to Yxy 56.0301, 0.2281, 0.3315 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(35, 219, 217) }
```

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

```
.border{ border-color:rgb(35, 219, 217) }
```

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

Here you see how a box with a 4 pixel rgb(35, 219, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 219, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 219, 217);  
box-shadow:4px 4px 4px 4px rgb(35, 219,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 56.0301, 0.2281, 0.3315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 219, 217) }
```

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

```
.background{ background-color: rgb(35, 219,  
217) }
```

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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