

Converting Colors

$Y_{xy}(56.3502, 0.2332, 0.3596)$

Have a look what the booklet for
Yxy(56.3502, 0.2332, 0.3596)
contains.

Yxy(56.4127, 0.2334, 0.3603)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(56.4127, 0.2334, 0.3603)

Conversions

Conversions Part 1

Format	Color
Hex	00DEC8
RGB	0, 222, 200
RGB Percent	0%, 87%, 78%
CMY	1.0000, 0.1294, 0.2156
CMYK	1.00, 0.00, 0.10, 0.13
HSL	174°, 100%, 44%
HSV	174°, 100%, 87%
XYZ	36.5438, 56.4127, 63.6150
YIQ	153.1140, -125.2500, -53.9060

Conversions

Conversions Part 2

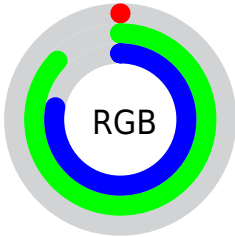
Format	Color
RYB	0, 117, 222
Decimal	57032
CIELab	79.85, -49.56, -1.94
CIELCh	80, 49.601, 182.244
Yxy	56.4127, 0.2334, 0.3603
Android (android.graphics.Color)	4278247112 (0xFF00DEC8)
YUV	153.1140, 23.1148, -134.2810
Hunter-Lab	75.1084, -44.5910, 2.3587

Details

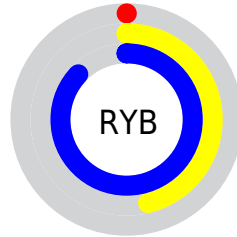
The Yxy color **56.4127, 0.2334, 0.3603** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.5887, 0.6302, 0.3245**, and the grayscale version is **31.8484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0550, 0.2414, 0.3288**, and **29.3478, 0.2352, 0.3667** is the 20% darker color. If you saturate the color by 10%, you get **56.4174, 0.2334, 0.3603**, and if you desaturate by 10%, it is **56.6939, 0.2339, 0.3569**.

Distribution



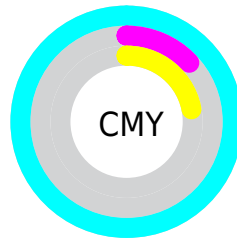
- Red (0%)
- Green (87%)
- Blue (78%)



- Red (0%)
- Yellow (46%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (13%)





- Cyan (100%)
- Magenta (13%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.4127, 0.2334, 0.3603 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 56.4127, 0.2334, 0.3603 by changing the saturation by 10% instead.


 56.4127, 0.2334,
0.3603

 56.4127, 0.2334,
0.3603


411.2450, 0.2712,
0.3456


 40.5339, 0.2245,
0.3637


 99.6077, 0.2467,
0.3552


 27.9551, 0.2135,
0.3679


 127.6928, 0.2518,
0.3532


 18.2918, 0.1994,
0.3731


 160.6153, 0.2562,
0.3515

 11.1597, 0.1808,
0.3799

 198.7598, 0.2600,
0.3500

 6.1743, 0.1555,
0.3890

 242.5106, 0.2633,
0.3487

 2.9514, 0.1195,
0.4012

292.2522, 0.2663,

 1.1064, 0.0000,

0.3475

0.4469

348.3688, 0.2689,
0.3465

0.0000, 0.0000,
0.0000

56.4127, 0.2334,
0.3603

56.4127, 0.2334,
0.3603

56.4174, 0.2334,
0.3603

56.6939, 0.2339,
0.3569

57.1705, 0.2358,
0.3535

57.9120, 0.2396,
0.3501

58.9549, 0.2453,
0.3467

60.3301, 0.2529,
0.3434

■ 62.0646, 0.2623,
0.3401

■ 64.1827, 0.2733,
0.3370

■ 66.7065, 0.2855,
0.3341

■ 69.6565, 0.2988,
0.3315

Harmonies

Analogous

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



56.4127, 0.2861, 0.4216



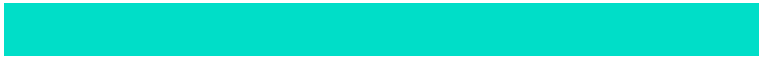
56.4127, 0.2334, 0.3603



56.4127, 0.2034, 0.2950

Triad

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



56.4127, 0.2334, 0.3603



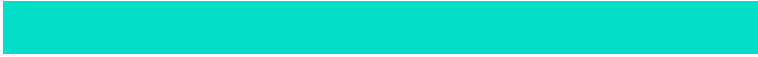
56.4127, 0.2668, 0.2330



56.4127, 0.4388, 0.3921

Complementary

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



56.4127, 0.2334, 0.3603



15.5887, 0.6302, 0.3245

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.



56.4127, 0.4358, 0.3430



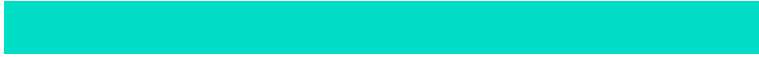
56.4127, 0.2334, 0.3603



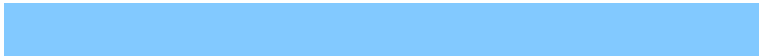
56.4127, 0.3300, 0.2565

Square

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



56.4127, 0.2334, 0.3603



56.4127, 0.2213, 0.2296



56.4127, 0.3943, 0.2953



56.4127, 0.4056, 0.4328

Rectangle

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



56.4127, 0.2334, 0.3603



56.4127, 0.1980, 0.2619



56.4127, 0.3943, 0.2953



56.4127, 0.4422, 0.3761

Sweetspot

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



56.4174, 0.2334, 0.3603



87.7857, 0.2730, 0.3371



52.4194, 0.3020, 0.5984



18.5131, 0.2682, 0.3384



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.



56.4174, 0.2334, 0.3603



77.2186, 0.2335, 0.3606



22.1055, 0.1863, 0.1907



15.5477, 0.2995, 0.3313



33.5177, 0.2333, 0.3598



2.3301, 0.2318, 0.3546

Inverse Universe

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



15.5887, 0.6302, 0.3245



21.3313, 0.6312, 0.3251



22.6428, 0.5717, 0.3843



13.7225, 0.3277, 0.3267



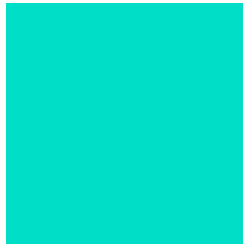
9.2661, 0.6282, 0.3234



0.6499, 0.5994, 0.3076

Previews

White Background



This preview shows how the Yxy color 56.4127, 0.2334, 0.3603 looks on a white background.

Color Contrast Check

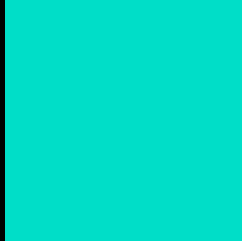
Large Text (above 18pt) WCAG AA × Fail

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 56.4127, 0.2334, 0.3603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

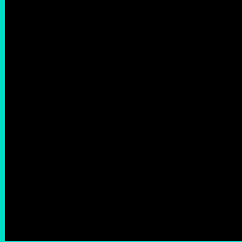
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

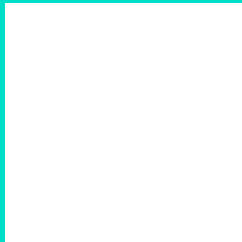
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.4127, 0.2334, 0.3603

Background



This preview shows how black text looks on a background with the Yxy color 56.4127, 0.2334, 0.3603.

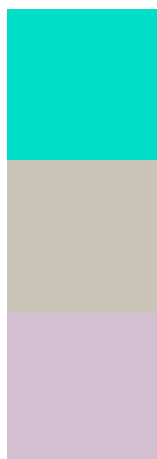


This preview shows how white text looks on a background with the Yxy color 56.4127, 0.2334, 0.3603.

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

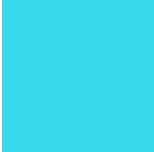
56.4127, 0.2334, 0.3603

Protanopia

55.5392, 0.3258, 0.3424

Deuteranopia

55.6155, 0.3168, 0.3104



Tritanopia

56.4646, 0.2237, 0.3049

Trichromacy



Original Color

56.4127, 0.2334, 0.3603



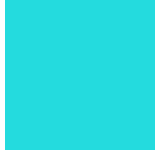
Protanomaly

52.0475, 0.2699, 0.3496



Deuteranomaly

51.6690, 0.2642, 0.3262



Tritanomaly

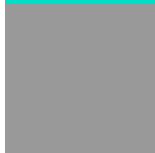
56.3120, 0.2262, 0.3246

Monochromacy



Original Color

56.4127, 0.2334, 0.3603



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

37.2845, 0.2575, 0.3416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.4127, 0.2334, 0.3603 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, 222, 200)` looks like.

```
.text, #text, p{  
    color:rgb(0, 222, 200)  
}
```

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, 222, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 222, 200) }
```

Border

The CSS property to change the border of an element to Yxy 56.4127, 0.2334, 0.3603 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, 222, 200) }
```

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

```
.border{ border-color:rgb(0, 222, 200) }
```

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

Here you see how a box with a 4 pixel rgb(0, 222, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 222, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 222, 200);  
box-shadow:4px 4px 4px 4px rgb(0, 222,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 56.4127, 0.2334, 0.3603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 222, 200) }
```

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

```
.background{ background-color: rgb(0, 222,  
200) }
```

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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