

Converting Colors

$Y_{xy}(56.3565, 0.2331, 0.3590)$

Have a look what the booklet for
Yxy(56.3565, 0.2331, 0.3590)
contains.

Yxy(56.4661, 0.2331, 0.3588)	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(56.4661, 0.2331, 0.3588)

Conversions

Conversions Part 1

Format	Color
Hex	02DEC9
RGB	2, 222, 201
RGB Percent	1%, 87%, 79%
CMY	0.9927, 0.1294, 0.2118
CMYK	0.99, 0.00, 0.09, 0.13
HSL	174°, 98%, 44%
HSV	174°, 99%, 87%
XYZ	36.6841, 56.4661, 64.2247
YIQ	153.8260, -124.3790, -53.1710

Conversions

Conversions Part 2

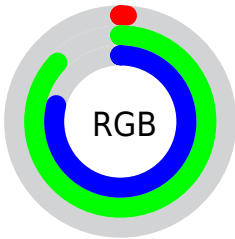
Format	Color
R _Y B	2, 118, 222
Decimal	188105
CIE Lab	79.88, -49.23, -2.42
CIE LCh	80, 49.288, 182.817
Yxy	56.4661, 0.2331, 0.3588
Android (android.graphics.Color)	4278378185 (0xFF02DEC9)
YUV	153.8260, 23.2568, -133.1514
Hunter-Lab	75.1439, -44.3610, 1.9262

Details

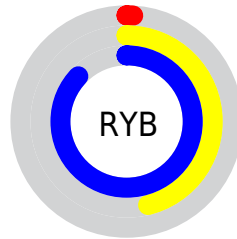
The Yxy color **56.4661, 0.2331, 0.3588** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.6301, 0.6292, 0.3246**, and the grayscale version is **32.1498, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0550, 0.2414, 0.3288**, and **29.3790, 0.2346, 0.3647** is the 20% darker color. If you saturate the color by 10%, you get **56.4479, 0.2331, 0.3591**, and if you desaturate by 10%, it is **56.7515, 0.2336, 0.3556**.

Distribution



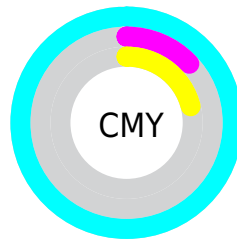
- Red (1%)
- Green (87%)
- Blue (79%)



- Red (1%)
- Yellow (46%)
- Blue (87%)



- Cyan (99%)
- Magenta (0%)
- Yellow (9%)
- Black (13%)




- Cyan (99%)
- Magenta (13%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.4661, 0.2331, 0.3588 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 56.4661, 0.2331, 0.3588 by changing the saturation by 10% instead.


 56.4661, 0.2331,
0.3588


 56.4661, 0.2331,
0.3588


411.4457, 0.2710,
0.3449

 40.5767, 0.2242,
0.3620

 99.6857, 0.2464,
0.3540

 27.9885, 0.2132,
0.3659


 127.7848, 0.2516,
0.3521


 18.3170, 0.1991,
0.3708

 160.7226, 0.2560,
0.3505

 11.1778, 0.1805,
0.3771

 198.8834, 0.2598,
0.3491

 6.1866, 0.1552,
0.3854

 242.6518, 0.2631,
0.3478

 2.9589, 0.1193,
0.3964

292.4120, 0.2661,

 1.1103, 0.0000,

0.3467

0.4394

348.5485, 0.2687,
0.3458

0.0000, 0.0000,
0.0000

56.4661, 0.2331,
0.3588

56.4661, 0.2331,
0.3588

56.4479, 0.2331,
0.3591

56.7515, 0.2336,
0.3556

57.2450, 0.2357,
0.3523

58.0067, 0.2397,
0.3490

59.0724, 0.2456,
0.3457

60.4726, 0.2534,
0.3425

■ 62.2341, 0.2630,
0.3394

■ 64.3810, 0.2741,
0.3365

■ 66.9352, 0.2865,
0.3337

■ 69.9170, 0.2998,
0.3312

Harmonies

Analogous

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



56.4661, 0.2852, 0.4200



56.4661, 0.2331, 0.3588



56.4661, 0.2037, 0.2942

Triad

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



56.4661, 0.2331, 0.3588



56.4661, 0.2682, 0.2338



56.4661, 0.4377, 0.3927

Complementary

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



56.4661, 0.2331, 0.3588



15.6301, 0.6292, 0.3246

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.



56.4661, 0.4354, 0.3439



56.4661, 0.2331, 0.3588



56.4661, 0.3312, 0.2575

Square

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



56.4661, 0.2331, 0.3588



56.4661, 0.2225, 0.2300



56.4661, 0.3949, 0.2964



56.4661, 0.4041, 0.4327

Rectangle

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



56.4661, 0.2331, 0.3588



56.4661, 0.1986, 0.2616



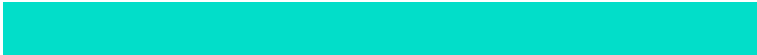
56.4661, 0.3949, 0.2964



56.4661, 0.4413, 0.3768

Sweetspot

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



56.4682, 0.2331, 0.3588



87.8033, 0.2729, 0.3368



52.4357, 0.3021, 0.5978



18.5173, 0.2680, 0.3380



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.



56.4682, 0.2331, 0.3588



77.2717, 0.2332, 0.3593



22.3187, 0.1868, 0.1919



15.5486, 0.2995, 0.3312



33.5403, 0.2329, 0.3586



2.3315, 0.2316, 0.3536

Inverse Universe

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



15.6301, 0.6292, 0.3246



21.3273, 0.6317, 0.3254



22.8299, 0.5698, 0.3851



13.7217, 0.3277, 0.3268



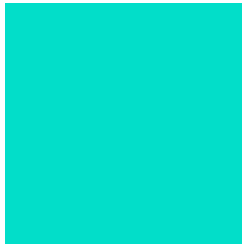
9.2641, 0.6287, 0.3237



0.6495, 0.6008, 0.3083

Previews

White Background



This preview shows how the Yxy color 56.4661, 0.2331, 0.3588 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 56.4661, 0.2331, 0.3588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

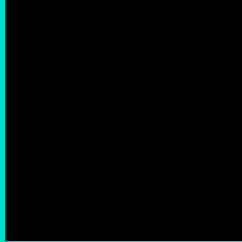
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

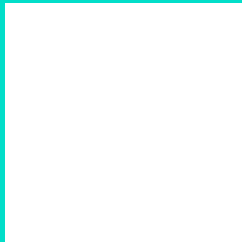
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.4661, 0.2331, 0.3588

Background



This preview shows how black text looks on a background with the Yxy color 56.4661, 0.2331, 0.3588.

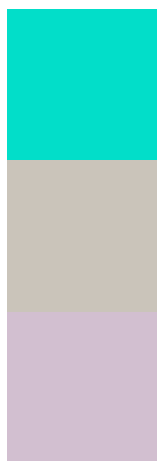


This preview shows how white text looks on a background with the Yxy color 56.4661, 0.2331, 0.3588.

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

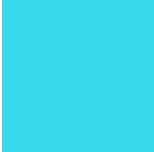
56.4725, 0.2331, 0.3588

Protanopia

55.5816, 0.3250, 0.3411

Deuteranopia

55.5173, 0.3153, 0.3093



Tritanopia

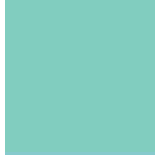
56.4646, 0.2237, 0.3049

Trichromacy



Original Color

56.4725, 0.2331, 0.3588



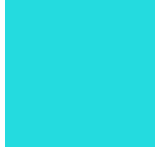
Protanomaly

52.0914, 0.2693, 0.3482



Deuteranomaly

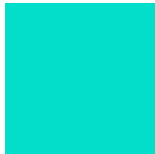
51.7172, 0.2636, 0.3248



Tritanomaly

56.3658, 0.2258, 0.3233

Monochromacy



Original Color

56.4725, 0.2331, 0.3588



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

37.8331, 0.2583, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.4661, 0.2331, 0.3588 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(2, 222, 201)` looks like.

```
.text, #text, p{  
    color:rgb(2, 222, 201)  
}
```

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(2, 222, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 222, 201) }
```

Border

The CSS property to change the border of an element to Yxy 56.4661, 0.2331, 0.3588 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(2, 222, 201) }
```

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

```
.border{ border-color:rgb(2, 222, 201) }
```

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

Here you see how a box with a 4 pixel rgb(2, 222, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 222, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 222, 201);  
box-shadow:4px 4px 4px 4px rgb(2, 222,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 56.4661, 0.2331, 0.3588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 222, 201) }
```

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

```
.background{ background-color: rgb(2, 222,  
201) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor