

Converting Colors

$Y_{xy}(55.8042, 0.2383, 0.3780)$

Have a look what the booklet for
Yxy(55.8042, 0.2383, 0.3780)
contains.

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Color

Yxy(55.8734, 0.2385, 0.3786)

Conversions

Conversions Part 1

Format	Color
Hex	00DEBC
RGB	0, 222, 188
RGB Percent	0%, 87%, 74%
CMY	1.0000, 0.1294, 0.2627
CMYK	1.00, 0.00, 0.15, 0.13
HSL	171°, 100%, 44%
HSV	171°, 100%, 87%
XYZ	35.1976, 55.8734, 56.5080
YIQ	151.7460, -121.3980, -57.6380

Conversions

Conversions Part 2

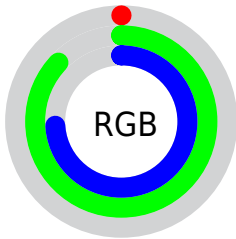
Format	Color
RYB	0, 120, 222
Decimal	57020
CIELab	79.54, -52.76, 4.00
CIELCh	80, 52.914, 175.661
Yxy	55.8734, 0.2385, 0.3786
Android (android.graphics.Color)	4278247100 (0xFF00DEBC)
YUV	151.7460, 17.8732, -133.0812
Hunter-Lab	74.7485, -46.7578, 7.5022

Details

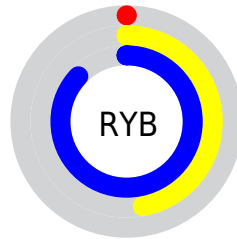
The Yxy color **55.8734, 0.2385, 0.3786** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **15.6458, 0.6208, 0.3194**, and the grayscale version is **31.2462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2398, 0.2451, 0.3418**, and **29.0217, 0.2414, 0.3890** is the 20% darker color. If you saturate the color by 10%, you get **55.8760, 0.2385, 0.3786**, and if you desaturate by 10%, it is **56.1973, 0.2385, 0.3732**.

Distribution



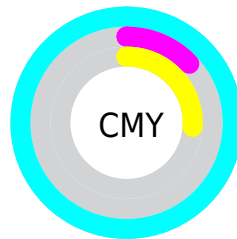
- Red (0%)
- Green (87%)
- Blue (74%)



- Red (0%)
- Yellow (47%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (13%)




- Cyan (100%)
- Magenta (13%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.8734, 0.2385, 0.3786 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 55.8734, 0.2385, 0.3786 by changing the saturation by 10% instead.


 55.8734, 0.2385,
0.3786

 55.8734, 0.2385,
0.3786


409.2142, 0.2744,
0.3542


 40.1014, 0.2300,
0.3845

 98.8195, 0.2512,
0.3699

 27.6176, 0.2193,
0.3920


 126.7623, 0.2561,
0.3665


 18.0376, 0.2054,
0.4019


 159.5309, 0.2602,
0.3637

 10.9770, 0.1870,
0.4152

 197.5097, 0.2638,
0.3613

 6.0514, 0.1614,
0.4344

 241.0830, 0.2670,
0.3592

 2.8763, 0.1239,
0.4638

290.6353, 0.2697,

 1.0675, 0.0000,

0.3573

0.5509

346.5509, 0.2722,
0.3557

■ 0.0000, 0.0000,
0.0000

■ 55.8734, 0.2385,
0.3786

■ 55.8734, 0.2385,
0.3786

■ 55.8760, 0.2385,
0.3786

■ 56.1973, 0.2385,
0.3732

■ 56.7207, 0.2399,
0.3677

■ 57.5109, 0.2433,
0.3623

■ 58.6046, 0.2487,
0.3568

■ 60.0326, 0.2559,
0.3515

■ 61.8220, 0.2648,
0.3464

■ 63.9971, 0.2753,
0.3416

■ 66.5800, 0.2869,
0.3370

■ 69.5910, 0.2995,
0.3328

Harmonies

Analogous

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



55.8734, 0.2982, 0.4392



55.8734, 0.2385, 0.3786



55.8734, 0.2011, 0.3062

Triad

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



55.8734, 0.2385, 0.3786



55.8734, 0.2511, 0.2246



55.8734, 0.4502, 0.3840

Complementary

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



55.8734, 0.2385, 0.3786



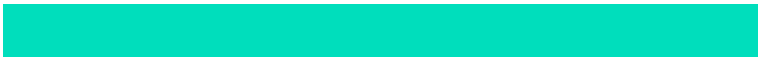
15.6458, 0.6208, 0.3194

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.



55.8734, 0.4379, 0.3317



55.8734, 0.2385, 0.3786



55.8734, 0.3152, 0.2451

Square

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



55.8734, 0.2385, 0.3786



55.8734, 0.2084, 0.2258



55.8734, 0.3861, 0.2829



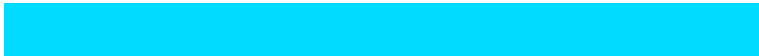
55.8734, 0.4217, 0.4310

Rectangle

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



55.8734, 0.2385, 0.3786



55.8734, 0.1916, 0.2673



55.8734, 0.3861, 0.2829



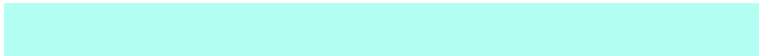
55.8734, 0.4510, 0.3666

Sweetspot

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



55.8760, 0.2385, 0.3786



87.5325, 0.2750, 0.3417



52.6383, 0.3046, 0.5964



18.4517, 0.2704, 0.3437



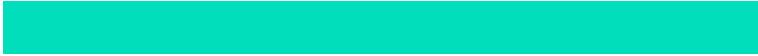
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.8760, 0.2385, 0.3786



76.4751, 0.2386, 0.3790



26.4549, 0.1930, 0.2147



15.5344, 0.3002, 0.3326



33.2011, 0.2383, 0.3778



2.3112, 0.2360, 0.3694

Inverse Universe

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



15.6458, 0.6208, 0.3194



21.4068, 0.6221, 0.3201



20.4281, 0.5898, 0.3699



13.7346, 0.3268, 0.3254



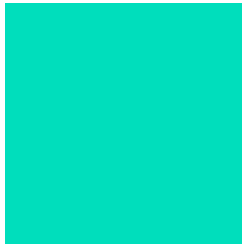
9.3032, 0.6181, 0.3178



0.6556, 0.5799, 0.2968

Previews

White Background



This preview shows how the Yxy color 55.8734, 0.2385, 0.3786 looks on a white background.

Color Contrast Check

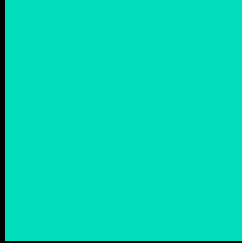
Large Text (above 18pt) WCAG AA × Fail

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 55.8734, 0.2385, 0.3786 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

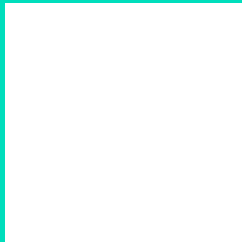
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.8734, 0.2385, 0.3786

Background



This preview shows how black text looks on a background with the Yxy color 55.8734, 0.2385, 0.3786.



This preview shows how white text looks on a background with the Yxy color 55.8734, 0.2385, 0.3786.

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

55.8734, 0.2385, 0.3786

Protanopia

54.9236, 0.3361, 0.3546

Deuteranopia

54.6315, 0.3288, 0.3220



Tritanopia

56.0191, 0.2254, 0.3061

Trichromacy



Original Color

55.8734, 0.2385, 0.3786



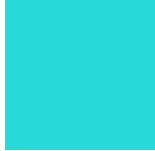
Protanomaly

51.6631, 0.2771, 0.3654



Deuteranomaly

50.8133, 0.2723, 0.3412



Tritanomaly

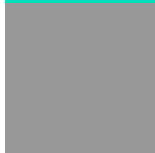
55.5839, 0.2283, 0.3301

Monochromacy



Original Color

55.8734, 0.2385, 0.3786



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

36.7023, 0.2604, 0.3483

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8734, 0.2385, 0.3786 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, 188)` looks like.

```
.text, #text, p{  
    color:rgb(0, 222, 188)  
}
```

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, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 222, 188) }
```

Border

The CSS property to change the border of an element to Yxy 55.8734, 0.2385, 0.3786 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, 188) }
```

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

```
.border{ border-color:rgb(0, 222, 188) }
```

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, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 222, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 222, 188);  
box-shadow:4px 4px 4px 4px rgb(0, 222,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8734, 0.2385, 0.3786 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, 188) }
```

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

```
.background{ background-color: rgb(0, 222,  
188) }
```

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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