

Converting Colors

$Y_{xy}(46.2766, 0.2056, 0.3702)$

Have a look what the booklet for
Yxy(46.2766, 0.2056, 0.3702)
contains.

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Color

Yxy(49.5539, 0.2357, 0.3684)

Conversions

Conversions Part 1

Format	Color
Hex	00D2B8
RGB	0, 210, 184
RGB Percent	0%, 82%, 72%
CMY	0.9981, 0.1765, 0.2783
CMYK	1.00, 0.00, 0.12, 0.18
HSL	173°, 100%, 41%
HSV	173°, 100%, 82%
XYZ	31.7043, 49.5539, 53.2530
YIQ	144.2460, -116.8140, -52.6060

Conversions

Conversions Part 2

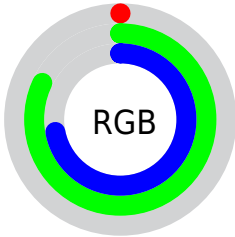
Format	Color
RYB	0, 112, 210
Decimal	53944
CIELab	75.79, -48.91, 0.69
CIELCh	76, 48.911, 179.191
Yxy	49.5539, 0.2357, 0.3684
Android (android.graphics.Color)	4278244024 (0xFF00D2B8)
YUV	144.2460, 19.5987, -126.5037
Hunter-Lab	70.3945, -42.7976, 4.4237

Details

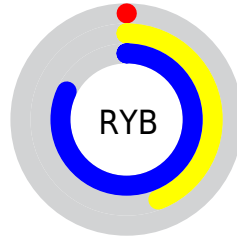
The Yxy color **49.5539, 0.2357, 0.3684** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **13.7881, 0.6253, 0.3220**, and the grayscale version is **28.0103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.8754, 0.2461, 0.3466**, and **24.7499, 0.2378, 0.3760** is the 20% darker color. If you saturate the color by 10%, you get **49.5502, 0.2357, 0.3685**, and if you desaturate by 10%, it is **49.8276, 0.2360, 0.3641**.

Distribution



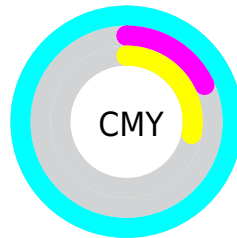
- Red (0%)
- Green (82%)
- Blue (72%)



- Red (0%)
- Yellow (44%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (18%)





- Cyan (100%)
- Magenta (18%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.5539, 0.2357, 0.3684 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 49.5539, 0.2357, 0.3684 by changing the saturation by 10% instead.


 49.5539, 0.2357,
0.3684

 49.5539, 0.2357,
0.3684


384.9188, 0.2734,
0.3490

 35.0591, 0.2266,
0.3731


 89.5136, 0.2492,
0.3615

 23.7084, 0.2151,
0.3791

 115.7472, 0.2543,
0.3588


 15.1174, 0.2001,
0.3869


 146.6625, 0.2587,
0.3566

 8.9018, 0.1799,
0.3974

 182.6440, 0.2625,
0.3546

 4.6772, 0.1515,
0.4123

 224.0759, 0.2657,
0.3530

 2.0591, 0.0999,
0.4395

271.3428, 0.2686,

 0.6415, 0.0000,

0.3515

0.4966

324.8290, 0.2712,
0.3502

■ 0.0000, 0.0000,
0.0000

■ 49.5539, 0.2357,
0.3684

■ 49.5539, 0.2357,
0.3684

■ 49.5502, 0.2357,
0.3685

■ 49.8276, 0.2360,
0.3641

■ 50.2776, 0.2378,
0.3598

■ 50.9621, 0.2415,
0.3555

■ 51.9128, 0.2471,
0.3512

■ 53.1565, 0.2546,
0.3469

■ 54.7167, 0.2638,
0.3429

■ 56.6145, 0.2746,
0.3390

■ 58.8692, 0.2865,
0.3354

■ 61.4985, 0.2994,
0.3320

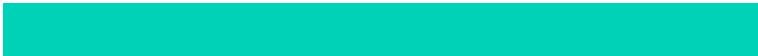
Harmonies

Analogous

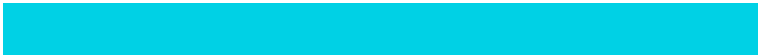
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.5539, 0.2915, 0.4295



49.5539, 0.2357, 0.3684



49.5539, 0.2024, 0.2999

Triad

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



49.5539, 0.2357, 0.3684



49.5539, 0.2597, 0.2292



49.5539, 0.4439, 0.3885

Complementary

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



49.5539, 0.2357, 0.3684



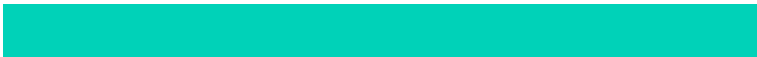
13.7881, 0.6253, 0.3220

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.



49.5539, 0.4368, 0.3379



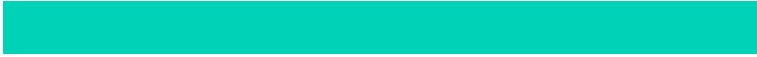
49.5539, 0.2357, 0.3684



49.5539, 0.3234, 0.2514

Square

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



49.5539, 0.2357, 0.3684



49.5539, 0.2155, 0.2279



49.5539, 0.3906, 0.2897



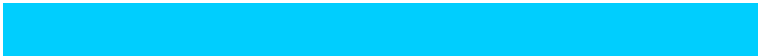
49.5539, 0.4128, 0.4320

Rectangle

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



49.5539, 0.2357, 0.3684



49.5539, 0.1951, 0.2643



49.5539, 0.3906, 0.2897



49.5539, 0.4462, 0.3718

Sweetspot

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



49.5558, 0.2357, 0.3684



87.6684, 0.2739, 0.3392



46.3449, 0.3033, 0.5972



18.4846, 0.2692, 0.3408



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.



49.5558, 0.2357, 0.3684



76.8687, 0.2358, 0.3690



21.4790, 0.1899, 0.2034



13.3808, 0.2999, 0.3319



30.2365, 0.2355, 0.3679



1.6979, 0.2333, 0.3600

Inverse Universe

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



13.7881, 0.6253, 0.3220



21.3622, 0.6275, 0.3230



19.0526, 0.5798, 0.3776



11.8317, 0.3271, 0.3261



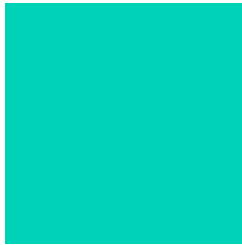
8.4114, 0.6234, 0.3208



0.4784, 0.5835, 0.2988

Previews

White Background



This preview shows how the Yxy color 49.5539, 0.2357, 0.3684 looks on a white background.

Color Contrast Check

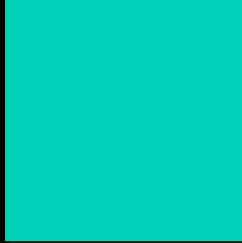
Large Text (above 18pt) WCAG AA × Fail

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 49.5539, 0.2357, 0.3684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

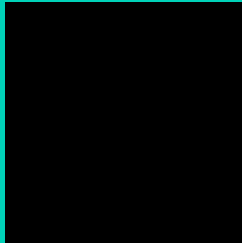
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

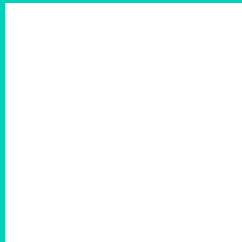
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.5539, 0.2357, 0.3684

Background



This preview shows how black text looks on a background with the Yxy color 49.5539, 0.2357, 0.3684.

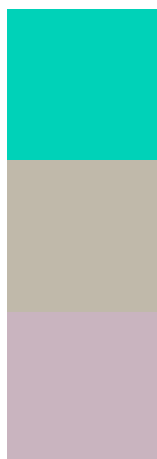


This preview shows how white text looks on a background with the Yxy color 49.5539, 0.2357, 0.3684.

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

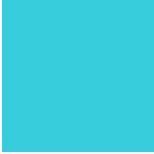
49.5539, 0.2357, 0.3684

Protanopia

48.8067, 0.3306, 0.3482

Deuteranopia

48.8216, 0.3219, 0.3155



Tritanopia

49.7239, 0.2250, 0.3063

Trichromacy



Original Color

49.5539, 0.2357, 0.3684



Protanomaly

45.8163, 0.2730, 0.3568



Deuteranomaly

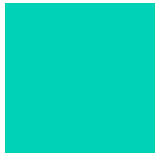
45.4816, 0.2682, 0.3332



Tritanomaly

49.5548, 0.2274, 0.3273

Monochromacy



Original Color

49.5539, 0.2357, 0.3684



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

32.7838, 0.2589, 0.3441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5539, 0.2357, 0.3684 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, 210, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 210, 184)  
}
```

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, 210, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 210, 184) }
```

Border

The CSS property to change the border of an element to Yxy 49.5539, 0.2357, 0.3684 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, 210, 184) }
```

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

```
.border{ border-color:rgb(0, 210, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 210, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 210, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 210, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 210,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5539, 0.2357, 0.3684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 210, 184) }
```

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

```
.background{ background-color: rgb(0, 210,  
184) }
```

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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