

Converting Colors

$Y_{xy}(35.5409, 0.2155, 0.2952)$

Have a look what the booklet for
Yxy(35.5409, 0.2155, 0.2952)
contains.

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Color

Yxy(35.5344, 0.2155, 0.2952)

Conversions

Conversions Part 1

Format	Color
Hex	02B1C6
RGB	2, 177, 198
RGB Percent	1%, 69%, 78%
CMY	0.9906, 0.3059, 0.2236
CMYK	0.99, 0.11, 0.00, 0.22
HSL	186°, 98%, 39%
HSV	186°, 99%, 78%
XYZ	25.9406, 35.5344, 58.8990
YIQ	127.0690, -111.0410, -30.5690

Conversions

Conversions Part 2

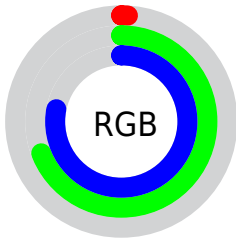
Format	Color
RYB	2, 94, 198
Decimal	176582
CIELab	66.16, -29.82, -21.30
CIELCh	66, 36.647, 215.536
Yxy	35.5344, 0.2155, 0.2952
Android (android.graphics.Color)	4278366662 (0xFF02B1C6)
YUV	127.0690, 34.9690, -109.6855
Hunter-Lab	59.6107, -26.6416, -16.8546

Details

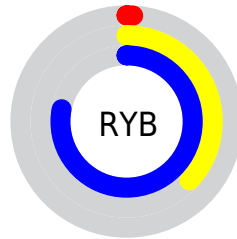
The Yxy color **35.5344, 0.2155, 0.2952** is a dark color, and the websafe version is hex **009999**. The color can be described as dark washed azure. A complement of this color would be **12.6342, 0.6295, 0.3369**, and the grayscale version is **21.1957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.3226, 0.2330, 0.3023**, and **16.4289, 0.2126, 0.2853** is the 20% darker color. If you saturate the color by 10%, you get **35.4191, 0.2152, 0.2948**, and if you desaturate by 10%, it is **36.5381, 0.2181, 0.2988**.

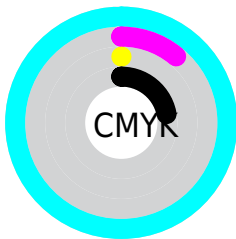
Distribution



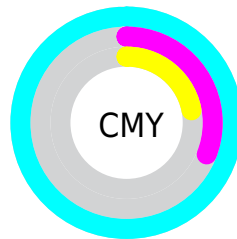
- Red (1%)
- Green (69%)
- Blue (78%)



- Red (1%)
- Yellow (37%)
- Blue (78%)



- Cyan (99%)
- Magenta (11%)
- Yellow (0%)
- Black (22%)




- Cyan (99%)
- Magenta (31%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.5344, 0.2155, 0.2952 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 35.5344, 0.2155, 0.2952 by changing the saturation by 10% instead.


 35.5344, 0.2155,
0.2952

 35.5344, 0.2155,
0.2952


326.9209, 0.2642,
0.3144


 24.0748, 0.2035,
0.2897


 68.3128, 0.2331,
0.3027


 15.3891, 0.1883,
0.2823


 90.4004, 0.2398,
0.3054


 9.0929, 0.1685,
0.2717


 116.7995, 0.2454,
0.3075

 4.8019, 0.1420,
0.2558

 147.8945, 0.2502,
0.3094

 2.1315, 0.1057,
0.2301

 184.0697, 0.2544,
0.3109

 0.6822, 0.0000,
0.1921

225.7096, 0.2581,

 0.0000, 0.0000,

0.3122

0.0000

273.1985, 0.2613,
0.3134

■ 35.5344, 0.2155,
0.2952

■ 35.5344, 0.2155,
0.2952

■ 35.4191, 0.2152,
0.2948

■ 36.5381, 0.2181,
0.2988

■ 37.7155, 0.2223,
0.3025

■ 39.1120, 0.2284,
0.3063

■ 40.7545, 0.2364,
0.3100

■ 42.6658, 0.2462,
0.3136

■ 44.8660, 0.2577,
0.3171

■ 47.3732, 0.2705,
0.3205

■ 50.2040, 0.2845,
0.3237

■ 53.3737, 0.2993,
0.3266

Harmonies

Analogous

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



35.5344, 0.2400, 0.3498



35.5344, 0.2155, 0.2952



35.5344, 0.2144, 0.2573

Triad

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



35.5344, 0.2155, 0.2952



35.5344, 0.3345, 0.2686



35.5344, 0.3895, 0.4223

Complementary

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



35.5344, 0.2155, 0.2952



12.6342, 0.6295, 0.3369

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.



35.5344, 0.4203, 0.3899



35.5344, 0.2155, 0.2952



35.5344, 0.3883, 0.3044

Square

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



35.5344, 0.2155, 0.2952



35.5344, 0.2787, 0.2461



35.5344, 0.4207, 0.3473



35.5344, 0.3394, 0.4301

Rectangle

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



35.5344, 0.2155, 0.2952



35.5344, 0.2265, 0.2442



35.5344, 0.4207, 0.3473



35.5344, 0.4026, 0.4135

Sweetspot

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



35.5357, 0.2155, 0.2952



83.1421, 0.2683, 0.3200



40.4477, 0.2981, 0.5922



17.3829, 0.2628, 0.3185



0.0000, 0.0000, 0.0000



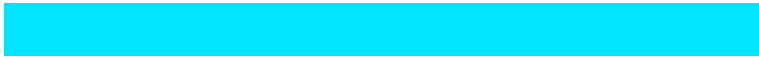
21.4041, 0.3127, 0.3290

Same Dimension

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



35.5357, 0.2155, 0.2952



62.5194, 0.2151, 0.2942



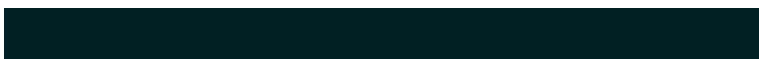
9.9202, 0.1691, 0.1277



11.8657, 0.2984, 0.3265



23.1175, 0.2154, 0.2953



1.1517, 0.2175, 0.3029

Inverse Universe

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



15.2280, 0.3496, 0.1704



26.8425, 0.3505, 0.1705



25.3771, 0.5103, 0.4320



10.7963, 0.3154, 0.3086



9.8737, 0.3496, 0.1700



0.4733, 0.3429, 0.1663

Previews

White Background



This preview shows how the Yxy color 35.5344, 0.2155, 0.2952 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 35.5344, 0.2155, 0.2952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

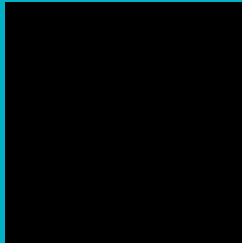
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.5344, 0.2155, 0.2952

Background



This preview shows how black text looks on a background with the Yxy color 35.5344, 0.2155, 0.2952.

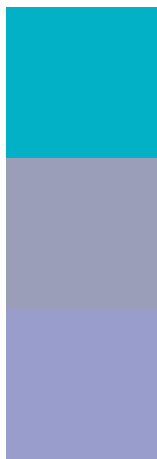


This preview shows how white text looks on a background with the Yxy color 35.5344, 0.2155, 0.2952.

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

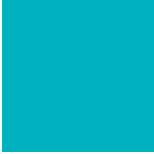
35.5344, 0.2155, 0.2952

Protanopia

34.9251, 0.2869, 0.2904

Deuteranopia

35.1980, 0.2714, 0.2655



Tritanopia

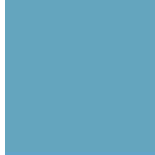
35.6466, 0.2183, 0.3060

Trichromacy



Original Color

35.5344, 0.2155, 0.2952



Protanomaly

33.3373, 0.2435, 0.2898



Deuteranomaly

33.3646, 0.2357, 0.2726



Tritanomaly

35.7423, 0.2176, 0.3029

Monochromacy



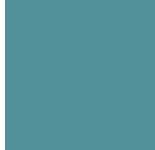
Original Color

35.5344, 0.2155, 0.2952



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

24.3445, 0.2497, 0.3141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5344, 0.2155, 0.2952 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, 177, 198)` looks like.

```
.text, #text, p{  
    color:rgb(2, 177, 198)  
}
```

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, 177, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 177, 198) }
```

Border

The CSS property to change the border of an element to Yxy 35.5344, 0.2155, 0.2952 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, 177, 198) }
```

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

```
.border{ border-color:rgb(2, 177, 198) }
```

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

Here you see how a box with a 4 pixel rgb(2, 177, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 177, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 177, 198);  
box-shadow:4px 4px 4px 4px rgb(2, 177,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5344, 0.2155, 0.2952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 177, 198) }
```

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

```
.background{ background-color: rgb(2, 177,  
198) }
```

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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