

Converting Colors

$Y_{xy}(28.1402, 0.1133, 0.3912)$

Have a look what the booklet for
Yxy(28.1402, 0.1133, 0.3912)
contains.

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Color

Yxy(35.3808, 0.2379, 0.3766)

Conversions

Conversions Part 1

Format	Color
Hex	00B59A
RGB	0, 181, 154
RGB Percent	0%, 71%, 60%
CMY	1.0000, 0.2901, 0.3961
CMYK	1.00, 0.00, 0.15, 0.29
HSL	171°, 100%, 35%
HSV	171°, 100%, 71%
XYZ	22.3502, 35.3808, 36.2169
YIQ	123.8030, -99.2090, -46.7690

Conversions

Conversions Part 2

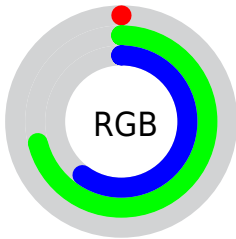
Format	Color
RYB	0, 98, 181
Decimal	46490
CIELab	66.04, -45.02, 2.88
CIELCh	66, 45.115, 176.338
Yxy	35.3808, 0.2379, 0.3766
Android (android.graphics.Color)	4278236570 (0xFF00B59A)
YUV	123.8030, 14.8871, -108.5752
Hunter-Lab	59.4818, -37.0219, 5.5371

Details

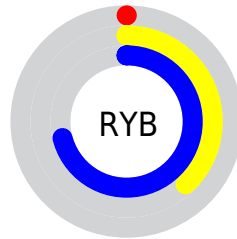
The Yxy color **35.3808, 0.2379, 0.3766** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **9.9046, 0.6193, 0.3185**, and the grayscale version is **20.0634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2445, 0.2528, 0.3679**, and **16.1580, 0.2412, 0.3883** is the 20% darker color. If you saturate the color by 10%, you get **35.3858, 0.2379, 0.3766**, and if you desaturate by 10%, it is **35.6064, 0.2382, 0.3714**.

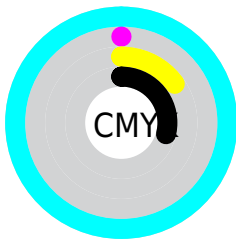
Distribution



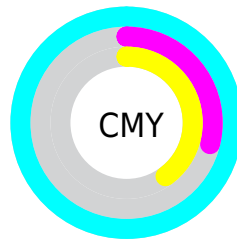
- Red (0%)
- Green (71%)
- Blue (60%)



- Red (0%)
- Yellow (38%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (29%)




- Cyan (100%)
- Magenta (29%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3808, 0.2379, 0.3766 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 35.3808, 0.2379, 0.3766 by changing the saturation by 10% instead.


 35.3808, 0.2379,
0.3766


 35.3808, 0.2379,
0.3766


 326.2460, 0.2768,
0.3515

 23.9564, 0.2277,
0.3833


 68.0753, 0.2524,
0.3672


 15.3012, 0.2144,
0.3922


 90.1141, 0.2577,
0.3637


 9.0311, 0.1963,
0.4044


 116.4598, 0.2622,
0.3608

 4.7615, 0.1704,
0.4224

 147.4969, 0.2660,
0.3584

 2.1080, 0.1266,
0.4532

 183.6096, 0.2693,
0.3563

 0.6691, 0.0000,
0.5594

 225.1824, 0.2721,

 0.0000, 0.0000,

0.3545

0.0000

272.5998, 0.2746,
0.3529

■ 35.3808, 0.2379,
0.3766

■ 35.3808, 0.2379,
0.3766

■ 35.3858, 0.2379,
0.3766

■ 35.6064, 0.2382,
0.3714

■ 35.9487, 0.2399,
0.3662

■ 36.4578, 0.2435,
0.3609

■ 37.1557, 0.2489,
0.3557

■ 38.0608, 0.2562,
0.3506

■ 39.1895, 0.2652,
0.3457

■ 40.5563, 0.2756,
0.3411

■ 42.1747, 0.2871,
0.3367

■ 44.0572, 0.2996,
0.3327

Harmonies

Analogous

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



35.3808, 0.2969, 0.4374



35.3808, 0.2379, 0.3766



35.3808, 0.2013, 0.3049

Triad

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



35.3808, 0.2379, 0.3766



35.3808, 0.2527, 0.2254



35.3808, 0.4490, 0.3849

Complementary

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



35.3808, 0.2379, 0.3766



9.9046, 0.6193, 0.3185

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.



35.3808, 0.4378, 0.3329



35.3808, 0.2379, 0.3766



35.3808, 0.3168, 0.2462

Square

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



35.3808, 0.2379, 0.3766



35.3808, 0.2097, 0.2261



35.3808, 0.3870, 0.2842



35.3808, 0.4200, 0.4312

Rectangle

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



35.3808, 0.2379, 0.3766



35.3808, 0.1922, 0.2666



35.3808, 0.3870, 0.2842



35.3808, 0.4501, 0.3676

Sweetspot

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



35.3858, 0.2379, 0.3766



72.4906, 0.2750, 0.3413



33.2882, 0.3043, 0.5966



15.4390, 0.2706, 0.3432



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



35.3858, 0.2379, 0.3766



63.3381, 0.2382, 0.3774



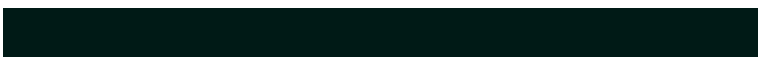
16.2133, 0.1918, 0.2104



9.6093, 0.3005, 0.3324



24.3984, 0.2378, 0.3759



0.7736, 0.2337, 0.3614

Inverse Universe

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



9.9046, 0.6193, 0.3185



17.7157, 0.6221, 0.3201



13.4198, 0.5831, 0.3752



8.5253, 0.3264, 0.3256



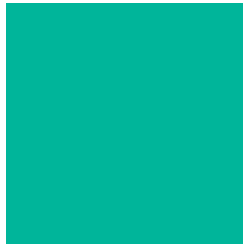
6.8335, 0.6169, 0.3172



0.2214, 0.5533, 0.2821

Previews

White Background



This preview shows how the Yxy color 35.3808, 0.2379, 0.3766 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 35.3808, 0.2379, 0.3766 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 35.3808, 0.2379, 0.3766

Background



This preview shows how black text looks on a background with the Yxy color 35.3808, 0.2379, 0.3766.

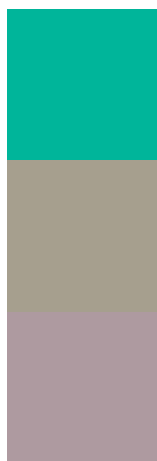


This preview shows how white text looks on a background with the Yxy color 35.3808, 0.2379, 0.3766.

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

35.3808, 0.2379, 0.3766

Protanopia

34.8563, 0.3353, 0.3541

Deuteranopia

34.6479, 0.3271, 0.3206



Tritanopia

35.4722, 0.2260, 0.3062

Trichromacy



Original Color

35.3808, 0.2379, 0.3766



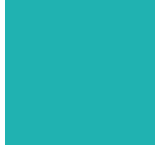
Protanomaly

32.7769, 0.2774, 0.3645



Deuteranomaly

32.3990, 0.2719, 0.3388



Tritanomaly

35.3222, 0.2287, 0.3304

Monochromacy



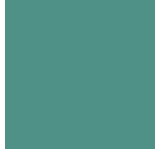
Original Color

35.3808, 0.2379, 0.3766



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

23.6623, 0.2609, 0.3483

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3808, 0.2379, 0.3766 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, 181, 154)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 154)  
}
```

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, 181, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 154) }
```

Border

The CSS property to change the border of an element to Yxy 35.3808, 0.2379, 0.3766 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, 181, 154) }
```

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

```
.border{ border-color:rgb(0, 181, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 154);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3808, 0.2379, 0.3766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 154) }
```

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

```
.background{ background-color: rgb(0, 181,  
154) }
```

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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