

Converting Colors

$Y_{xy}(33.3440, 0.2087, 0.3707)$

Have a look what the booklet for
Yxy(33.3440, 0.2087, 0.3707)
contains.

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Color

Yxy(35.5164, 0.2359, 0.3691)

Conversions

Conversions Part 1

Format	Color
Hex	00B59E
RGB	0, 181, 158
RGB Percent	0%, 71%, 62%
CMY	0.9984, 0.2902, 0.3804
CMYK	1.00, 0.00, 0.13, 0.29
HSL	172°, 100%, 36%
HSV	172°, 100%, 71%
XYZ	22.6993, 35.5164, 38.0086
YIQ	124.2590, -100.4930, -45.5250

Conversions

Conversions Part 2

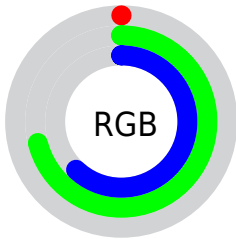
Format	Color
RYB	0, 97, 181
Decimal	46494
CIELab	66.15, -43.88, 0.81
CIELCh	66, 43.883, 178.937
Yxy	35.5164, 0.2359, 0.3691
Android (android.graphics.Color)	4278236574 (0xFF00B59E)
YUV	124.2590, 16.6343, -108.9751
Hunter-Lab	59.5956, -36.3037, 3.9033

Details

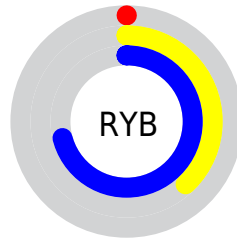
The Yxy color **35.5164, 0.2359, 0.3691** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **9.8958, 0.6231, 0.3208**, and the grayscale version is **20.2582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4946, 0.2505, 0.3611**, and **16.2403, 0.2383, 0.3778** is the 20% darker color. If you saturate the color by 10%, you get **35.5133, 0.2359, 0.3692**, and if you desaturate by 10%, it is **35.7288, 0.2364, 0.3647**.

Distribution



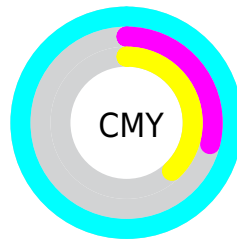
- Red (0%)
- Green (71%)
- Blue (62%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (29%)





- Cyan (100%)
- Magenta (29%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 35.5164, 0.2359, 0.3691 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 35.5164, 0.2359, 0.3691 by changing the saturation by 10% instead.


 35.5164, 0.2359,
0.3691


 35.5164, 0.2359,
0.3691


 326.8419, 0.2757,
0.3482

 24.0609, 0.2256,
0.3746


 68.2850, 0.2507,
0.3613

 15.3788, 0.2121,
0.3817


 90.3669, 0.2561,
0.3585


 9.0857, 0.1939,
0.3914


 116.7597, 0.2607,
0.3561

 4.7971, 0.1681,
0.4053

 147.8479, 0.2646,
0.3540

 2.1287, 0.1263,
0.4280

 184.0158, 0.2679,
0.3523

 0.6807, 0.0000,
0.4987

 225.6479, 0.2709,

 0.0000, 0.0000,

0.3508

0.0000

273.1284, 0.2734,
0.3494

■ 35.5164, 0.2359,
0.3691

■ 35.5164, 0.2359,
0.3691

■ 35.5133, 0.2359,
0.3692

■ 35.7288, 0.2364,
0.3647

■ 36.0630, 0.2383,
0.3603

■ 36.5640, 0.2420,
0.3559

■ 37.2536, 0.2477,
0.3515

■ 38.1503, 0.2552,
0.3472

■ 39.2702, 0.2644,
0.3431

■ 40.6280, 0.2750,
0.3392

■ 42.2371, 0.2869,
0.3355

■ 44.1098, 0.2996,
0.3321

Harmonies

Analogous

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



35.5164, 0.2920, 0.4302



35.5164, 0.2359, 0.3691



35.5164, 0.2023, 0.3004

Triad

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



35.5164, 0.2359, 0.3691



35.5164, 0.2591, 0.2289



35.5164, 0.4443, 0.3881

Complementary

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



35.5164, 0.2359, 0.3691



9.8958, 0.6231, 0.3208

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.



35.5164, 0.4368, 0.3375



35.5164, 0.2359, 0.3691



35.5164, 0.3228, 0.2509

Square

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



35.5164, 0.2359, 0.3691



35.5164, 0.2150, 0.2278



35.5164, 0.3903, 0.2893



35.5164, 0.4134, 0.4320

Rectangle

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



35.5164, 0.2359, 0.3691



35.5164, 0.1949, 0.2645



35.5164, 0.3903, 0.2893



35.5164, 0.4465, 0.3715

Sweetspot

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



35.5178, 0.2359, 0.3691



72.5750, 0.2742, 0.3394



33.2474, 0.3037, 0.5969



15.4595, 0.2697, 0.3410



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.



35.5178, 0.2359, 0.3691



63.5827, 0.2361, 0.3699



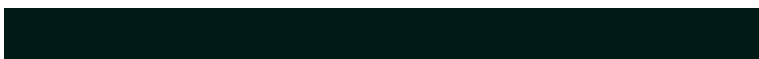
15.5506, 0.1903, 0.2047



9.6126, 0.3002, 0.3319



24.4904, 0.2357, 0.3687



0.7757, 0.2323, 0.3564

Inverse Universe

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



9.8958, 0.6231, 0.3208



17.6872, 0.6262, 0.3223



13.7943, 0.5781, 0.3789



8.5223, 0.3268, 0.3261



6.8210, 0.6214, 0.3197



0.2202, 0.5641, 0.2881

Previews

White Background



This preview shows how the Yxy color 35.5164, 0.2359, 0.3691 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 35.5164, 0.2359, 0.3691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

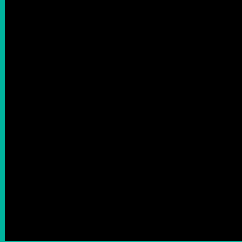
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.5164, 0.2359, 0.3691

Background



This preview shows how black text looks on a background with the Yxy color 35.5164, 0.2359, 0.3691.

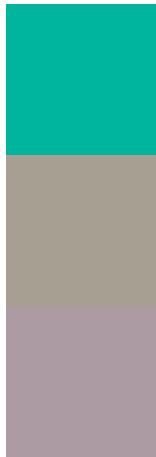


This preview shows how white text looks on a background with the Yxy color 35.5164, 0.2359, 0.3691.

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

35.5164, 0.2359, 0.3691

Protanopia

34.9786, 0.3315, 0.3481

Deuteranopia

35.0073, 0.3222, 0.3163



Tritanopia

35.4652, 0.2250, 0.3046

Trichromacy



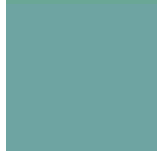
Original Color

35.5164, 0.2359, 0.3691



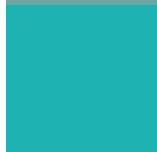
Protanomaly

32.9036, 0.2745, 0.3575



Deuteranomaly

32.4746, 0.2683, 0.3322



Tritanomaly

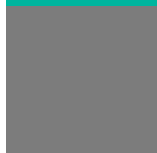
35.3868, 0.2276, 0.3271

Monochromacy



Original Color

35.5164, 0.2359, 0.3691



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

23.6906, 0.2601, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5164, 0.2359, 0.3691 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, 158)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 158)  
}
```

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, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 158) }
```

Border

The CSS property to change the border of an element to Yxy 35.5164, 0.2359, 0.3691 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, 158) }
```

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

```
.border{ border-color:rgb(0, 181, 158) }
```

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, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 158);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5164, 0.2359, 0.3691 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, 158) }
```

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

```
.background{ background-color: rgb(0, 181,  
158) }
```

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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