

Converting Colors

$Y_{xy}(34.6207, 0.2331, 0.3591)$

Have a look what the booklet for
Yxy(34.6207, 0.2331, 0.3591)
contains.

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Color

Yxy(34.8134, 0.2334, 0.3603)

Conversions

Conversions Part 1

Format	Color
Hex	00B3A1
RGB	0, 179, 161
RGB Percent	0%, 70%, 63%
CMY	1.0000, 0.2980, 0.3685
CMYK	1.00, 0.00, 0.10, 0.30
HSL	174°, 100%, 35%
HSV	174°, 100%, 70%
XYZ	22.5519, 34.8134, 39.2581
YIQ	123.4270, -100.9060, -43.5460

Conversions

Conversions Part 2

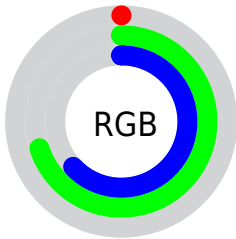
Format	Color
RYB	0, 94, 179
Decimal	45985
CIELab	65.60, -42.20, -1.65
CIELCh	66, 42.229, 182.244
Yxy	34.8134, 0.2334, 0.3603
Android (android.graphics.Color)	4278236065 (0xFF00B3A1)
YUV	123.4270, 18.5235, -108.2455
Hunter-Lab	59.0029, -35.0293, 1.8529

Details

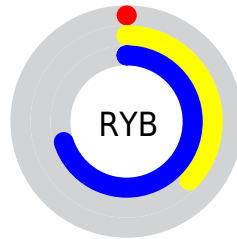
The Yxy color **34.8134, 0.2334, 0.3603** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **9.6280, 0.6281, 0.3234**, and the grayscale version is **19.9200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.4902, 0.2486, 0.3546**, and **15.7930, 0.2349, 0.3655** is the 20% darker color. If you saturate the color by 10%, you get **34.8163, 0.2334, 0.3603**, and if you desaturate by 10%, it is **35.0079, 0.2341, 0.3569**.

Distribution



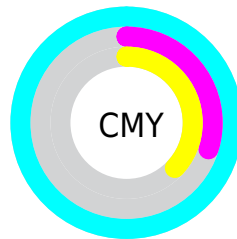
- Red (0%)
- Green (70%)
- Blue (63%)



- Red (0%)
- Yellow (37%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (30%)





- Cyan (100%)
- Magenta (30%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8134, 0.2334, 0.3603 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 34.8134, 0.2334, 0.3603 by changing the saturation by 10% instead.

 34.8134, 0.2334,
0.3603


 34.8134, 0.2334,
0.3603


 323.7439, 0.2744,
0.3443


 23.5192, 0.2228,
0.3643


 67.1966, 0.2486,
0.3544

 14.9773, 0.2090,
0.3695


 89.0543, 0.2542,
0.3523

 8.8035, 0.1904,
0.3765


 115.2021, 0.2589,
0.3504

 4.6132, 0.1640,
0.3860

 146.0241, 0.2629,
0.3489

 2.0222, 0.1213,
0.4010

 181.9050, 0.2664,
0.3475

 0.6203, 0.0000,
0.4395

 223.2289, 0.2694,

 0.0000, 0.0000,

0.3463

0.0000

270.3805, 0.2721,
0.3453

■ 34.8134, 0.2334,
0.3603

■ 34.8134, 0.2334,
0.3603

■ 34.8163, 0.2334,
0.3603

■ 35.0079, 0.2341,
0.3569

■ 35.3166, 0.2362,
0.3535

■ 35.7869, 0.2401,
0.3501

■ 36.4400, 0.2459,
0.3467

■ 37.2940, 0.2536,
0.3433

■ 38.3646, 0.2630,
0.3401

■ 39.6661, 0.2738,
0.3370

■ 41.2115, 0.2859,
0.3341

■ 43.0130, 0.2990,
0.3315

Harmonies

Analogous

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



34.8134, 0.2861, 0.4216



34.8134, 0.2334, 0.3603



34.8134, 0.2034, 0.2950

Triad

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



34.8134, 0.2334, 0.3603



34.8134, 0.2668, 0.2330



34.8134, 0.4388, 0.3921

Complementary

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



34.8134, 0.2334, 0.3603



9.6280, 0.6281, 0.3234

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.



34.8134, 0.4358, 0.3430



34.8134, 0.2334, 0.3603



34.8134, 0.3300, 0.2565

Square

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



34.8134, 0.2334, 0.3603



34.8134, 0.2213, 0.2296



34.8134, 0.3943, 0.2953



34.8134, 0.4056, 0.4328

Rectangle

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



34.8134, 0.2334, 0.3603



34.8134, 0.1980, 0.2619



34.8134, 0.3943, 0.2953



34.8134, 0.4422, 0.3761

Sweetspot

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



34.8163, 0.2334, 0.3603



70.9077, 0.2732, 0.3372



32.4006, 0.3030, 0.5976



15.4849, 0.2686, 0.3384



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.



34.8163, 0.2334, 0.3603



62.3317, 0.2336, 0.3609



14.4904, 0.1885, 0.1986



9.6165, 0.2999, 0.3313



24.6067, 0.2333, 0.3599



0.7784, 0.2307, 0.3504

Inverse Universe

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



9.6280, 0.6281, 0.3234



17.2273, 0.6304, 0.3246



13.7938, 0.5739, 0.3825



8.5187, 0.3272, 0.3267



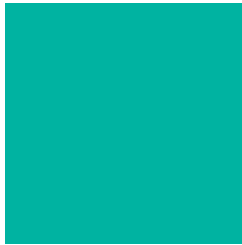
6.8079, 0.6263, 0.3224



0.2187, 0.5781, 0.2958

Previews

White Background



This preview shows how the Yxy color 34.8134, 0.2334, 0.3603 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 34.8134, 0.2334, 0.3603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

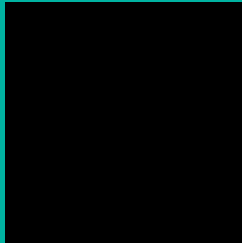
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

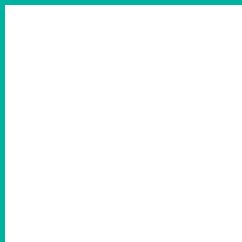
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.8134, 0.2334, 0.3603

Background



This preview shows how black text looks on a background with the Yxy color 34.8134, 0.2334, 0.3603.

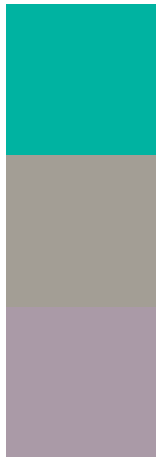


This preview shows how white text looks on a background with the Yxy color 34.8134, 0.2334, 0.3603.

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

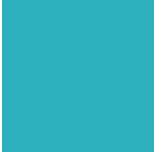
34.8134, 0.2334, 0.3603

Protanopia

34.4102, 0.3259, 0.3423

Deuteranopia

34.4473, 0.3165, 0.3106



Tritanopia

34.9149, 0.2248, 0.3060

Trichromacy



Original Color

34.8134, 0.2334, 0.3603



Protanomaly

32.5154, 0.2707, 0.3508



Deuteranomaly

32.0991, 0.2645, 0.3256



Tritanomaly

34.5666, 0.2263, 0.3237

Monochromacy



Original Color

34.8134, 0.2334, 0.3603



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

23.0708, 0.2580, 0.3405

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8134, 0.2334, 0.3603 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, 179, 161)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 161)  
}
```

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, 179, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 161) }
```

Border

The CSS property to change the border of an element to Yxy 34.8134, 0.2334, 0.3603 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, 179, 161) }
```

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

```
.border{ border-color:rgb(0, 179, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 179, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 161);  
box-shadow:4px 4px 4px 4px rgb(0, 179,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8134, 0.2334, 0.3603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 179, 161) }
```

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

```
.background{ background-color: rgb(0, 179,  
161) }
```

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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