

Converting Colors

$Y_{xy}(33.9600, 0.2438, 0.3977)$

Have a look what the booklet for
Yxy(33.9600, 0.2438, 0.3977)
contains.

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Color

Yxy(34.1633, 0.2440, 0.3983)

Conversions

Conversions Part 1

Format	Color
Hex	00B38D
RGB	0, 179, 141
RGB Percent	0%, 70%, 55%
CMY	0.9990, 0.2980, 0.4471
CMYK	1.00, 0.00, 0.21, 0.30
HSL	167°, 100%, 35%
HSV	167°, 100%, 70%
XYZ	20.9286, 34.1633, 30.6809
YIQ	121.1470, -94.4860, -49.7660

Conversions

Conversions Part 2

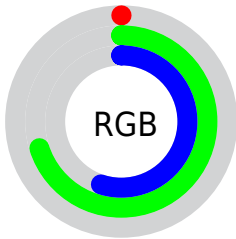
Format	Color
RYB	0, 100, 179
Decimal	45965
CIELab	65.09, -47.61, 8.69
CIELCh	65, 48.394, 169.650
Yxy	34.1633, 0.2440, 0.3983
Android (android.graphics.Color)	4278236045 (0xFF00B38D)
YUV	121.1470, 9.7875, -106.2459
Hunter-Lab	58.4494, -38.3722, 9.7924

Details

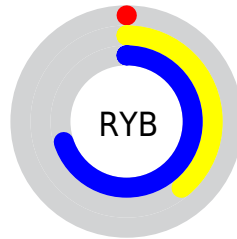
The Yxy color **34.1633, 0.2440, 0.3983** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **9.7311, 0.6031, 0.3098**, and the grayscale version is **19.1864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.3639, 0.2576, 0.3836**, and **15.4226, 0.2490, 0.4165** is the 20% darker color. If you saturate the color by 10%, you get **34.1614, 0.2440, 0.3984**, and if you desaturate by 10%, it is **34.4084, 0.2437, 0.3906**.

Distribution



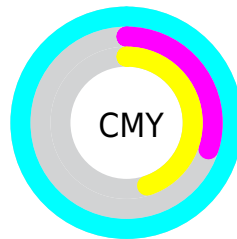
- Red (0%)
- Green (70%)
- Blue (55%)



- Red (0%)
- Yellow (39%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (30%)





- Cyan (100%)
- Magenta (30%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1633, 0.2440, 0.3983 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 34.1633, 0.2440, 0.3983 by changing the saturation by 10% instead.


 34.1633, 0.2440,
0.3983


 34.1633, 0.2440,
0.3983

320.8596, 0.2805,
0.3606


 23.0191, 0.2342,
0.4088


 66.1875, 0.2578,
0.3838


 14.6076, 0.2211,
0.4231


 87.8363, 0.2628,
0.3786


 8.5445, 0.2030,
0.4435


 113.7555, 0.2670,
0.3743

 4.4453, 0.1764,
0.4747

 144.3293, 0.2706,
0.3707

 1.9256, 0.1188,
0.5372

 179.9422, 0.2736,
0.3676

 0.5637, 0.0000,
0.9896

 220.9786, 0.2762,

 0.0000, 0.0000,

0.3649

0.0000

267.8230, 0.2785,
0.3626

■ 34.1633, 0.2440,
0.3983

■ 34.1633, 0.2440,
0.3983

■ 34.1614, 0.2440,
0.3984

■ 34.4084, 0.2437,
0.3906

■ 34.7736, 0.2449,
0.3829

■ 35.3038, 0.2480,
0.3752

■ 36.0201, 0.2530,
0.3675

■ 36.9406, 0.2599,
0.3601

■ 38.0812, 0.2683,
0.3530

■ 39.4560, 0.2781,
0.3462

■ 41.0781, 0.2890,
0.3400

■ 42.9596, 0.3007,
0.3342

Harmonies

Analogous

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



34.1633, 0.3108, 0.4569



34.1633, 0.2440, 0.3983



34.1633, 0.1991, 0.3185

Triad

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



34.1633, 0.2440, 0.3983



34.1633, 0.2354, 0.2161



34.1633, 0.4616, 0.3754

Complementary

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



34.1633, 0.2440, 0.3983



9.7311, 0.6031, 0.3098

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.



34.1633, 0.4394, 0.3201



34.1633, 0.2440, 0.3983



34.1633, 0.3000, 0.2336

Square

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



34.1633, 0.2440, 0.3983



34.1633, 0.1957, 0.2220



34.1633, 0.3769, 0.2703



34.1633, 0.4381, 0.4282

Rectangle

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



34.1633, 0.2440, 0.3983



34.1633, 0.1852, 0.2733



34.1633, 0.3769, 0.2703



34.1633, 0.4595, 0.3568

Sweetspot

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



34.1646, 0.2440, 0.3983



70.4907, 0.2774, 0.3466



32.6721, 0.3080, 0.5935



15.3808, 0.2732, 0.3494



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.



34.1646, 0.2440, 0.3983



61.1473, 0.2444, 0.3997



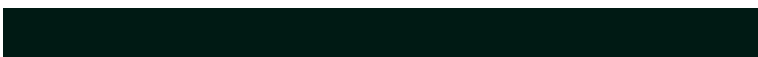
18.7878, 0.1985, 0.2345



9.6000, 0.3013, 0.3339



24.1496, 0.2438, 0.3975



0.7676, 0.2378, 0.3761

Inverse Universe

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



9.7311, 0.6031, 0.3098



17.3890, 0.6071, 0.3118



11.9433, 0.5994, 0.3621



8.5339, 0.3255, 0.3242



6.8796, 0.6008, 0.3083



0.2250, 0.5250, 0.2666

Previews

White Background



This preview shows how the Yxy color 34.1633, 0.2440, 0.3983 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 34.1633, 0.2440, 0.3983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

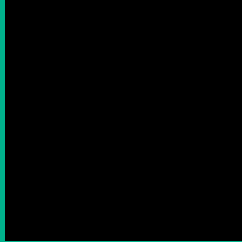
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.1633, 0.2440, 0.3983

Background



This preview shows how black text looks on a background with the Yxy color 34.1633, 0.2440, 0.3983.

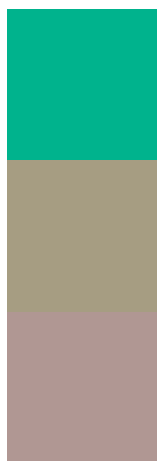


This preview shows how white text looks on a background with the Yxy color 34.1633, 0.2440, 0.3983.

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

34.1633, 0.2440, 0.3983

Protanopia

33.8326, 0.3472, 0.3693

Deuteranopia

33.4699, 0.3425, 0.3348



Tritanopia

34.2872, 0.2274, 0.3060

Trichromacy



Original Color

34.1633, 0.2440, 0.3983



Protanomaly

31.6957, 0.2862, 0.3827



Deuteranomaly

30.9788, 0.2821, 0.3561



Tritanomaly

33.9195, 0.2315, 0.3373

Monochromacy



Original Color

34.1633, 0.2440, 0.3983



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

22.4823, 0.2640, 0.3569

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1633, 0.2440, 0.3983 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, 141)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 141)  
}
```

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, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 141) }
```

Border

The CSS property to change the border of an element to Yxy 34.1633, 0.2440, 0.3983 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, 141) }
```

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

```
.border{ border-color:rgb(0, 179, 141) }
```

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, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 141);  
box-shadow:4px 4px 4px 4px rgb(0, 179,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1633, 0.2440, 0.3983 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, 141) }
```

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

```
.background{ background-color: rgb(0, 179,  
141) }
```

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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