

Converting Colors

$Y_{xy}(34.1125, 0.2349, 0.3519)$

Have a look what the booklet for
Yxy(34.1125, 0.2349, 0.3519)
contains.

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Color

Yxy(33.9863, 0.2348, 0.3515)

Conversions

Conversions Part 1

Format	Color
Hex	1FB0A3
RGB	31, 176, 163
RGB Percent	12%, 69%, 64%
CMY	0.8778, 0.3098, 0.3609
CMYK	0.82, 0.00, 0.07, 0.31
HSL	175°, 70%, 41%
HSV	175°, 82%, 69%
XYZ	22.7027, 33.9863, 40.0004
YIQ	131.1630, -82.2470, -34.7830

Conversions

Conversions Part 2

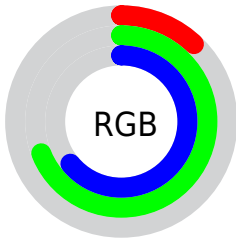
Format	Color
RYB	31, 107, 176
Decimal	2076835
CIELab	64.95, -38.70, -3.67
CIElCh	65, 38.874, 185.415
Yxy	33.9863, 0.2348, 0.3515
Android (android.graphics.Color)	4280266915 (0xFF1FB0A3)
YUV	131.1630, 15.6956, -87.8430
Hunter-Lab	58.2978, -32.5086, 0.1273

Details

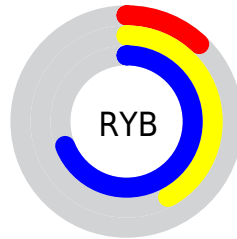
The Yxy color **33.9863, 0.2348, 0.3515** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.4019, 0.5771, 0.3184**, and the grayscale version is **22.7402, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7784, 0.2496, 0.3468**, and **15.3136, 0.2329, 0.3583** is the 20% darker color. If you saturate the color by 10%, you get **33.7273, 0.2330, 0.3545**, and if you desaturate by 10%, it is **34.3979, 0.2384, 0.3485**.

Distribution



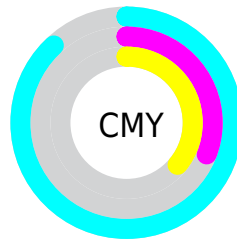
- Red (12%)
- Green (69%)
- Blue (64%)



- Red (12%)
- Yellow (42%)
- Blue (69%)



- Cyan (82%)
- Magenta (0%)
- Yellow (7%)
- Black (31%)



- Cyan (88%)
- Magenta (31%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9863, 0.2348, 0.3515 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 33.9863, 0.2348, 0.3515 by changing the saturation by 10% instead.

 33.9863, 0.2348,
0.3515


 33.9863, 0.2348,
0.3515


320.0710, 0.2751,
0.3403


 22.8831, 0.2244,
0.3542


 65.9124, 0.2498,
0.3475


 14.5072, 0.2107,
0.3576


 87.5040, 0.2553,
0.3460


 8.4743, 0.1924,
0.3620


 113.3605, 0.2599,
0.3447

 4.3999, 0.1663,
0.3677

 143.8664, 0.2639,
0.3435

 1.8997, 0.1244,
0.3759

 179.4060, 0.2673,
0.3426

 0.5482, 0.0000,
0.3911

220.3637, 0.2702,

 0.0000, 0.0000,

0.3417

0.0000

267.1239, 0.2728,
0.3410

■ 33.9863, 0.2348,
0.3515

■ 33.9863, 0.2348,
0.3515

■ 33.7273, 0.2330,
0.3545

■ 34.3979, 0.2384,
0.3485

■ 33.5944, 0.2325,
0.3568

■ 34.9796, 0.2438,
0.3454

■ 35.7503, 0.2512,
0.3424

■ 36.7258, 0.2602,
0.3395

■ 37.9199, 0.2708,
0.3368

■ 39.3455, 0.2828,
0.3342

■ 41.0143, 0.2957,
0.3317

■ 42.9372, 0.3095,
0.3295

■ 45.1246, 0.3237,
0.3275

Harmonies

Analogous

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



33.9863, 0.2825, 0.4094



33.9863, 0.2348, 0.3515



33.9863, 0.2089, 0.2924

Triad

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



33.9863, 0.2348, 0.3515



33.9863, 0.2758, 0.2405



33.9863, 0.4283, 0.3934

Complementary

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



33.9863, 0.2348, 0.3515



10.4019, 0.5771, 0.3184

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.



33.9863, 0.4290, 0.3477



33.9863, 0.2348, 0.3515



33.9863, 0.3357, 0.2644

Square

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



33.9863, 0.2348, 0.3515



33.9863, 0.2308, 0.2353



33.9863, 0.3939, 0.3023



33.9863, 0.3949, 0.4288

Rectangle

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



33.9863, 0.2348, 0.3515



33.9863, 0.2054, 0.2629



33.9863, 0.3939, 0.3023



33.9863, 0.4326, 0.3787

Sweetspot

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



33.9876, 0.2348, 0.3515



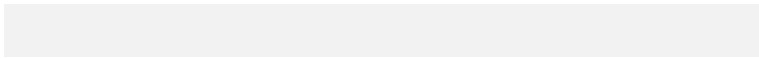
70.5008, 0.2789, 0.3350



31.7229, 0.3062, 0.5752



15.0863, 0.2748, 0.3359



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



33.9876, 0.2348, 0.3515



60.9372, 0.2326, 0.3570



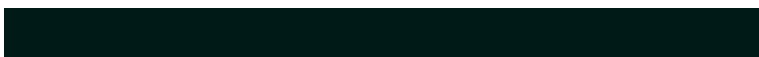
16.4007, 0.1992, 0.2194



9.6181, 0.2997, 0.3310



24.6535, 0.2324, 0.3565



0.7795, 0.2300, 0.3481

Inverse Universe

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



10.4019, 0.5771, 0.3184



16.8510, 0.6300, 0.3251



16.4910, 0.5228, 0.3967



8.5173, 0.3273, 0.3270



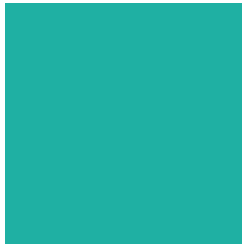
6.8034, 0.6280, 0.3233



0.2181, 0.5838, 0.2990

Previews

White Background



This preview shows how the Yxy color 33.9863, 0.2348, 0.3515 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 33.9863, 0.2348, 0.3515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

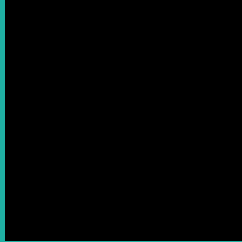
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

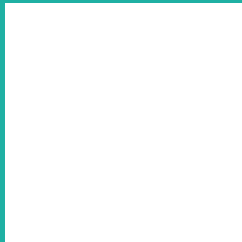
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.9863, 0.2348, 0.3515

Background



This preview shows how black text looks on a background with the Yxy color 33.9863, 0.2348, 0.3515.

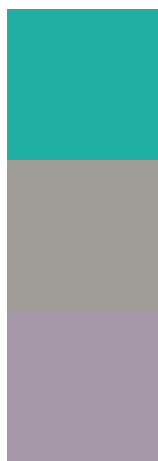


This preview shows how white text looks on a background with the Yxy color 33.9863, 0.2348, 0.3515.

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

33.9863, 0.2348, 0.3515

Protanopia

33.4849, 0.3213, 0.3365

Deuteranopia

33.3906, 0.3118, 0.3060



Tritanopia

34.1788, 0.2262, 0.3059

Trichromacy



Original Color

33.9863, 0.2348, 0.3515



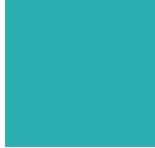
Protanomaly

32.0717, 0.2755, 0.3422



Deuteranomaly

32.0248, 0.2701, 0.3208



Tritanomaly

34.0219, 0.2292, 0.3220

Monochromacy



Original Color

33.9863, 0.2348, 0.3515



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

25.2835, 0.2674, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9863, 0.2348, 0.3515 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(31, 176, 163)` looks like.

```
.text, #text, p{  
    color:rgb(31, 176, 163)  
}
```

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(31, 176, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 176, 163) }
```

Border

The CSS property to change the border of an element to Yxy 33.9863, 0.2348, 0.3515 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(31, 176, 163) }
```

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

```
.border{ border-color:rgb(31, 176, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 176, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 176, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 176, 163);  
box-shadow:4px 4px 4px 4px rgb(31, 176,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9863, 0.2348, 0.3515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 176, 163) }
```

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

```
.background{ background-color: rgb(31, 176,  
163) }
```

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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