

Converting Colors

$Y_{xy}(33.4312, 0.2464, 0.4143)$

Have a look what the booklet for
Yxy(33.4312, 0.2464, 0.4143)
contains.

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Color

Yxy(33.5067, 0.2485, 0.4145)

Conversions

Conversions Part 1

Format	Color
Hex	00B284
RGB	0, 178, 132
RGB Percent	0%, 70%, 52%
CMY	0.9990, 0.3020, 0.4823
CMYK	1.00, 0.00, 0.26, 0.30
HSL	164°, 100%, 35%
HSV	164°, 100%, 70%
XYZ	20.0879, 33.5067, 27.2419
YIQ	119.5340, -91.3220, -52.0420

Conversions

Conversions Part 2

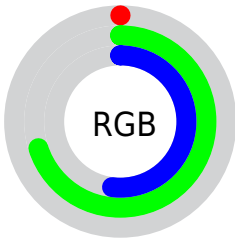
Format	Color
RYB	0, 102, 178
Decimal	45700
CIELab	64.57, -49.45, 12.89
CIELCh	65, 51.102, 165.393
Yxy	33.5067, 0.2485, 0.4145
Android (android.graphics.Color)	4278235780 (0xFF00B284)
YUV	119.5340, 6.1457, -104.8313
Hunter-Lab	57.8850, -39.3538, 12.6164

Details

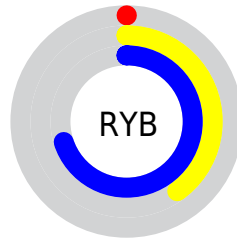
The Yxy color **33.5067, 0.2485, 0.4145** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **9.6692, 0.5892, 0.3021**, and the grayscale version is **18.6523, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3523, 0.2621, 0.3966**, and **15.0245, 0.2554, 0.4396** is the 20% darker color. If you saturate the color by 10%, you get **33.5047, 0.2485, 0.4146**, and if you desaturate by 10%, it is **33.7644, 0.2478, 0.4050**.

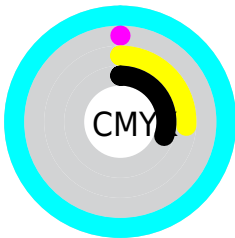
Distribution



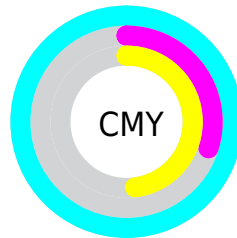
- Red (0%)
- Green (70%)
- Blue (52%)



- Red (0%)
- Yellow (40%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (30%)




- Cyan (100%)
- Magenta (30%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5067, 0.2485, 0.4145 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 33.5067, 0.2485, 0.4145 by changing the saturation by 10% instead.


 33.5067, 0.2485,
0.4145


 33.5067, 0.2485,
0.4145


317.9268, 0.2832,
0.3672


 22.5149, 0.2389,
0.4280


 65.1658, 0.2618,
0.3961


 14.2357, 0.2260,
0.4465


 86.6019, 0.2666,
0.3896

 8.2848, 0.2079,
0.4732


 112.2882, 0.2705,
0.3842

 4.2777, 0.1806,
0.5150

 142.6091, 0.2739,
0.3797

 1.8301, 0.1082,
0.6078

 177.9491, 0.2767,
0.3759

 0.5058, 0.0000,
1.0000

 218.6924, 0.2792,

 0.0000, 0.0000,

0.3726

0.0000

265.2235, 0.2813,
0.3697

■ 33.5067, 0.2485,
0.4145

■ 33.5067, 0.2485,
0.4145

■ 33.5047, 0.2485,
0.4146

■ 33.7644, 0.2478,
0.4050

■ 34.1421, 0.2486,
0.3954

■ 34.6845, 0.2513,
0.3858

■ 35.4125, 0.2560,
0.3763

■ 36.3439, 0.2625,
0.3671

■ 37.4942, 0.2705,
0.3583

■ 38.8776, 0.2798,
0.3501

■ 40.5070, 0.2902,
0.3424

■ 42.3943, 0.3013,
0.3353

Harmonies

Analogous

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



33.5067, 0.3207, 0.4703



33.5067, 0.2485, 0.4145



33.5067, 0.1975, 0.3289

Triad

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



33.5067, 0.2485, 0.4145



33.5067, 0.2234, 0.2095



33.5067, 0.4703, 0.3684

Complementary

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



33.5067, 0.2485, 0.4145



9.6692, 0.5892, 0.3021

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.



33.5067, 0.4401, 0.3110



33.5067, 0.2485, 0.4145



33.5067, 0.2879, 0.2247

Square

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



33.5067, 0.2485, 0.4145



33.5067, 0.1859, 0.2191



33.5067, 0.3692, 0.2606



33.5067, 0.4510, 0.4253

Rectangle

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



33.5067, 0.2485, 0.4145



33.5067, 0.1804, 0.2784



33.5067, 0.3692, 0.2606



33.5067, 0.4659, 0.3489

Sweetspot

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



33.5080, 0.2485, 0.4145



70.3255, 0.2792, 0.3506



32.4605, 0.3116, 0.5907



15.3398, 0.2752, 0.3540



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.



33.5080, 0.2485, 0.4145



60.7205, 0.2490, 0.4162



20.9717, 0.2034, 0.2522



9.5932, 0.3019, 0.3350



23.9841, 0.2482, 0.4135



0.7635, 0.2408, 0.3870

Inverse Universe

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



9.6692, 0.5892, 0.3021



17.4908, 0.5937, 0.3044



11.1015, 0.6104, 0.3533



8.5402, 0.3248, 0.3231



6.9227, 0.5867, 0.3006



0.2275, 0.5069, 0.2566

Previews

White Background



This preview shows how the Yxy color 33.5067, 0.2485, 0.4145 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 33.5067, 0.2485, 0.4145 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 33.5067, 0.2485, 0.4145

Background



This preview shows how black text looks on a background with the Yxy color 33.5067, 0.2485, 0.4145.



This preview shows how white text looks on a background with the Yxy color 33.5067, 0.2485, 0.4145.

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

33.5067, 0.2485, 0.4145

Protanopia

32.9302, 0.3566, 0.3801

Deuteranopia

32.9948, 0.3530, 0.3464



Tritanopia

33.5281, 0.2286, 0.3058

Trichromacy



Original Color

33.5067, 0.2485, 0.4145



Protanomaly

30.7392, 0.2930, 0.3960



Deuteranomaly

30.4299, 0.2900, 0.3704



Tritanomaly

33.4186, 0.2336, 0.3427

Monochromacy



Original Color

33.5067, 0.2485, 0.4145



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

22.0415, 0.2661, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5067, 0.2485, 0.4145 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, 178, 132)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 132)  
}
```

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, 178, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 132) }
```

Border

The CSS property to change the border of an element to Yxy 33.5067, 0.2485, 0.4145 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, 178, 132) }
```

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

```
.border{ border-color:rgb(0, 178, 132) }
```

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

Here you see how a box with a 4 pixel rgb(0, 178, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 132);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5067, 0.2485, 0.4145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 132) }
```

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

```
.background{ background-color: rgb(0, 178,  
132) }
```

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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