

Converting Colors

$Y_{xy}(28.4800, 0.1148, 0.4420)$

Have a look what the booklet for
Yxy(28.4800, 0.1148, 0.4420)
contains.

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Color

Yxy(35.6445, 0.2484, 0.4141)

Conversions

Conversions Part 1

Format	Color
Hex	00B788
RGB	0, 183, 136
RGB Percent	0%, 72%, 53%
CMY	0.9985, 0.2824, 0.4666
CMYK	1.00, 0.00, 0.26, 0.28
HSL	165°, 100%, 36%
HSV	165°, 100%, 72%
XYZ	21.3815, 35.6445, 29.0510
YIQ	122.9250, -93.9810, -53.4130

Conversions

Conversions Part 2

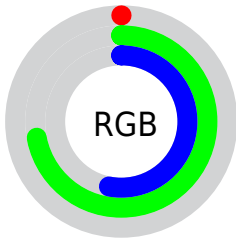
Format	Color
RYB	0, 105, 183
Decimal	46984
CIELab	66.25, -50.42, 13.05
CIELCh	66, 52.085, 165.489
Yxy	35.6445, 0.2484, 0.4141
Android (android.graphics.Color)	4278237064 (0xFF00B788)
YUV	122.9250, 6.4460, -107.8052
Hunter-Lab	59.7030, -40.5538, 12.9421

Details

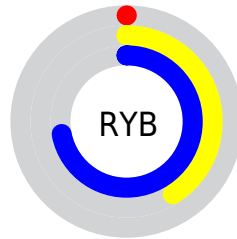
The Yxy color **35.6445, 0.2484, 0.4141** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **10.2831, 0.5899, 0.3025**, and the grayscale version is **19.8218, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4811, 0.2617, 0.3967**, and **16.3724, 0.2551, 0.4382** is the 20% darker color. If you saturate the color by 10%, you get **35.6407, 0.2484, 0.4143**, and if you desaturate by 10%, it is **35.9155, 0.2476, 0.4046**.

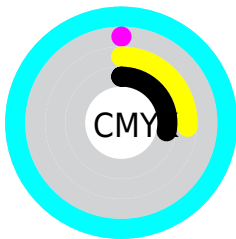
Distribution



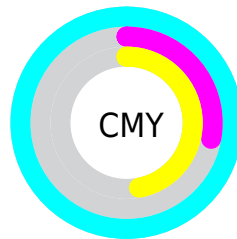
- Red (0%)
- Green (72%)
- Blue (53%)



- Red (0%)
- Yellow (41%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (28%)



- Cyan (100%)
- Magenta (28%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6445, 0.2484, 0.4141 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 35.6445, 0.2484, 0.4141 by changing the saturation by 10% instead.


 35.6445, 0.2484,
0.4141


 35.6445, 0.2484,
0.4141


327.4040, 0.2828,
0.3675

 24.1598, 0.2390,
0.4272


 68.4830, 0.2615,
0.3961


 15.4522, 0.2265,
0.4450

 90.6056, 0.2662,
0.3897


 9.1373, 0.2091,
0.4706


 117.0429, 0.2702,
0.3844

 4.8309, 0.1832,
0.5098

 148.1793, 0.2735,
0.3799

 2.1484, 0.1302,
0.5845

 184.3992, 0.2763,
0.3761

 0.6916, 0.0000,
1.0000

 226.0870, 0.2788,

 0.0000, 0.0000,

0.3728

0.0000

273.6272, 0.2810,
0.3700

■ 35.6445, 0.2484,
0.4141

■ 35.6445, 0.2484,
0.4141

■ 35.6407, 0.2484,
0.4143

■ 35.9155, 0.2476,
0.4046

■ 36.3160, 0.2485,
0.3951

■ 36.8920, 0.2512,
0.3855

■ 37.6659, 0.2559,
0.3761

■ 38.6568, 0.2624,
0.3669

■ 39.8815, 0.2704,
0.3582

■ 41.3550, 0.2798,
0.3499

■ 43.0911, 0.2902,
0.3423

■ 45.1026, 0.3013,
0.3353

Harmonies

Analogous

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



35.6445, 0.3205, 0.4700



35.6445, 0.2484, 0.4141



35.6445, 0.1976, 0.3286

Triad

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



35.6445, 0.2484, 0.4141



35.6445, 0.2237, 0.2097



35.6445, 0.4701, 0.3686

Complementary

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



35.6445, 0.2484, 0.4141



10.2831, 0.5899, 0.3025

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.



35.6445, 0.4401, 0.3112



35.6445, 0.2484, 0.4141



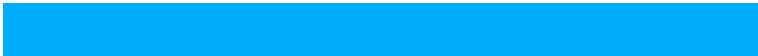
35.6445, 0.2882, 0.2249

Square

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



35.6445, 0.2484, 0.4141



35.6445, 0.1862, 0.2192



35.6445, 0.3694, 0.2608



35.6445, 0.4506, 0.4254

Rectangle

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



35.6445, 0.2484, 0.4141



35.6445, 0.1805, 0.2783



35.6445, 0.3694, 0.2608



35.6445, 0.4657, 0.3491

Sweetspot

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



35.6459, 0.2484, 0.4141



73.8692, 0.2791, 0.3505



34.5211, 0.3115, 0.5907



16.0611, 0.2750, 0.3539



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



35.6459, 0.2484, 0.4141



63.7954, 0.2488, 0.4158



22.2901, 0.2034, 0.2521



10.1701, 0.3019, 0.3349



24.8763, 0.2481, 0.4132



0.8864, 0.2413, 0.3887

Inverse Universe

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



10.2831, 0.5899, 0.3025



18.3674, 0.5944, 0.3048



11.7946, 0.6106, 0.3531



9.0491, 0.3248, 0.3231



7.1764, 0.5876, 0.3010



0.2634, 0.5127, 0.2598

Previews

White Background



This preview shows how the Yxy color 35.6445, 0.2484, 0.4141 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 35.6445, 0.2484, 0.4141 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 35.6445, 0.2484, 0.4141

Background



This preview shows how black text looks on a background with the Yxy color 35.6445, 0.2484, 0.4141.



This preview shows how white text looks on a background with the Yxy color 35.6445, 0.2484, 0.4141.

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

35.6445, 0.2484, 0.4141

Protanopia

35.1683, 0.3552, 0.3803

Deuteranopia

35.0093, 0.3530, 0.3459



Tritanopia

35.6982, 0.2285, 0.3064

Trichromacy



Original Color

35.6445, 0.2484, 0.4141



Protanomaly

32.7784, 0.2918, 0.3961



Deuteranomaly

32.5167, 0.2897, 0.3710



Tritanomaly

35.5545, 0.2339, 0.3440

Monochromacy



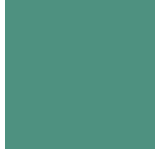
Original Color

35.6445, 0.2484, 0.4141



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

23.4290, 0.2656, 0.3625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6445, 0.2484, 0.4141 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, 183, 136)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 136)  
}
```

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, 183, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 136) }
```

Border

The CSS property to change the border of an element to Yxy 35.6445, 0.2484, 0.4141 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, 183, 136) }
```

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

```
.border{ border-color:rgb(0, 183, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 183, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 136);  
box-shadow:4px 4px 4px 4px rgb(0, 183,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6445, 0.2484, 0.4141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 183, 136) }
```

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

```
.background{ background-color: rgb(0, 183,  
136) }
```

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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