

Converting Colors

$Y_{xy}(34.5580, 0.2404, 0.4736)$

Have a look what the booklet for
Yxy(34.5580, 0.2404, 0.4736)
contains.

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Color

Yxy(35.8456, 0.2627, 0.4658)

Conversions

Conversions Part 1

Format	Color
Hex	00B96F
RGB	0, 185, 111
RGB Percent	0%, 73%, 44%
CMY	1.0000, 0.2745, 0.5647
CMYK	1.00, 0.00, 0.40, 0.27
HSL	156°, 100%, 36%
HSV	156°, 100%, 73%
XYZ	20.2161, 35.8456, 20.8933
YIQ	121.2490, -86.5060, -62.2340

Conversions

Conversions Part 2

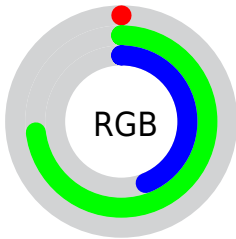
Format	Color
RYB	0, 116, 185
Decimal	47471
CIELab	66.40, -56.72, 26.71
CIELCh	66, 62.694, 154.779
Yxy	35.8456, 0.2627, 0.4658
Android (android.graphics.Color)	4278237551 (0xFF00B96F)
YUV	121.2490, -5.0528, -106.3354
Hunter-Lab	59.8712, -44.5024, 21.2194

Details

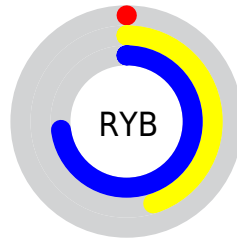
The Yxy color **35.8456, 0.2627, 0.4658** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **10.8096, 0.5379, 0.2737**, and the grayscale version is **19.2443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.6354, 0.2743, 0.4359**, and **16.3131, 0.2732, 0.5034** is the 20% darker color. If you saturate the color by 10%, you get **35.8485, 0.2627, 0.4658**, and if you desaturate by 10%, it is **36.1519, 0.2606, 0.4508**.

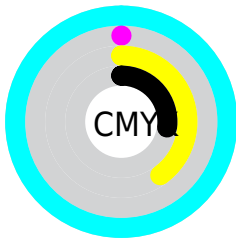
Distribution



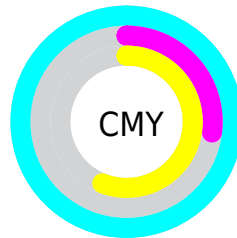
- Red (0%)
- Green (73%)
- Blue (44%)



- Red (0%)
- Yellow (45%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (27%)




- Cyan (100%)
- Magenta (27%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8456, 0.2627, 0.4658 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 35.8456, 0.2627, 0.4658 by changing the saturation by 10% instead.

 35.8456, 0.2627,
0.4658


 35.8456, 0.2627,
0.4658


 328.2852, 0.2915,
0.3891


 24.3150, 0.2541,
0.4879


 68.7937, 0.2742,
0.4358


 15.5674, 0.2421,
0.5183


 90.9799, 0.2782,
0.4252

 9.2186, 0.2243,
0.5619


 117.4869, 0.2814,
0.4165

 4.8840, 0.1961,
0.6289

 148.6988, 0.2841,
0.4092

 2.1794, 0.1298,
0.8287

 185.0002, 0.2864,
0.4030

 0.7087, 0.0000,
1.0000

 226.7755, 0.2883,

 0.0000, 0.0000,

0.3977

0.0000

274.4090, 0.2900,
0.3931

■ 35.8456, 0.2627,
0.4658

■ 35.8456, 0.2627,
0.4658

■ 35.8485, 0.2627,
0.4658

■ 36.1519, 0.2606,
0.4508

■ 36.5954, 0.2602,
0.4354

■ 37.2263, 0.2617,
0.4199

■ 38.0681, 0.2652,
0.4046

■ 39.1404, 0.2704,
0.3897

■ 40.4607, 0.2771,
0.3755

■ 42.0449, 0.2850,
0.3623

■ 43.9072, 0.2937,
0.3501

■ 46.0611, 0.3031,
0.3390

Harmonies

Analogous

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



35.8456, 0.3503, 0.5067



35.8456, 0.2627, 0.4658



35.8456, 0.1938, 0.3643

Triad

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



35.8456, 0.2627, 0.4658



35.8456, 0.1894, 0.1907



35.8456, 0.4949, 0.3469

Complementary

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



35.8456, 0.2627, 0.4658



10.8096, 0.5379, 0.2737

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.



35.8456, 0.4392, 0.2842



35.8456, 0.2627, 0.4658



35.8456, 0.2524, 0.1992

Square

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



35.8456, 0.2627, 0.4658



35.8456, 0.1588, 0.2112



35.8456, 0.3441, 0.2321



35.8456, 0.4887, 0.4136

Rectangle

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



35.8456, 0.2627, 0.4658



35.8456, 0.1668, 0.2963



35.8456, 0.3441, 0.2321



35.8456, 0.4829, 0.3253

Sweetspot

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



35.8485, 0.2627, 0.4658



75.1454, 0.2846, 0.3629



36.1567, 0.3241, 0.5809



15.9335, 0.2812, 0.3684



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.



35.8485, 0.2627, 0.4658



64.1519, 0.2634, 0.4681



30.9598, 0.2159, 0.2973



10.1482, 0.3037, 0.3383



24.4224, 0.2622, 0.4639



0.8728, 0.2514, 0.4250

Inverse Universe

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



10.8096, 0.5379, 0.2737



19.3151, 0.5418, 0.2759



10.7641, 0.6321, 0.3363



9.0701, 0.3227, 0.3199



7.3733, 0.5346, 0.2719



0.2723, 0.4666, 0.2344

Previews

White Background



This preview shows how the Yxy color 35.8456, 0.2627, 0.4658 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 35.8456, 0.2627, 0.4658 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 35.8456, 0.2627, 0.4658

Background



This preview shows how black text looks on a background with the Yxy color 35.8456, 0.2627, 0.4658.



This preview shows how white text looks on a background with the Yxy color 35.8456, 0.2627, 0.4658.

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

35.8456, 0.2627, 0.4658

Protanopia

35.1952, 0.3827, 0.4132

Deuteranopia

35.2380, 0.3846, 0.3785



Tritanopia

35.9617, 0.2313, 0.3065

Trichromacy



Original Color

35.8456, 0.2627, 0.4658



Protanomaly

32.7754, 0.3125, 0.4397



Deuteranomaly

32.1411, 0.3132, 0.4143



Tritanomaly

35.3270, 0.2399, 0.3598

Monochromacy



Original Color

35.8456, 0.2627, 0.4658



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

22.8087, 0.2733, 0.3838

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8456, 0.2627, 0.4658 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, 185, 111)` looks like.

```
.text, #text, p{  
    color:rgb(0, 185, 111)  
}
```

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, 185, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 185, 111) }
```

Border

The CSS property to change the border of an element to Yxy 35.8456, 0.2627, 0.4658 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, 185, 111) }
```

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

```
.border{ border-color:rgb(0, 185, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 185, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 185, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 185, 111);  
box-shadow:4px 4px 4px 4px rgb(0, 185,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8456, 0.2627, 0.4658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 185, 111) }
```

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

```
.background{ background-color: rgb(0, 185,  
111) }
```

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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