

Converting Colors

$Y_{xy}(36.0579, 0.2629, 0.4619)$

Have a look what the booklet for
Yxy(36.0579, 0.2629, 0.4619)
contains.

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Color

Yxy(35.9683, 0.2628, 0.4615)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 0CB971 |
| RGB | 12, 185, 113 |
| RGB Percent | 5%, 73%, 44% |
| CMY | 0.9527, 0.2745, 0.5568 |
| CMYK | 0.93, 0.00, 0.39, 0.27 |
| HSL | 155°, 88%, 39% |
| HSV | 155°, 93%, 73% |
| XYZ | 20.4821, 35.9683, 21.4875 |
| YIQ | 125.0650, -79.9960, -59.0680 |

Conversions

Conversions Part 2

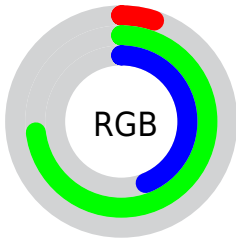
| Format | Color |
|-------------------------------------|---|
| RYB | 12, 121, 185 |
| Decimal | 833905 |
| CIELab | 66.50, -55.82, 25.79 |
| CIELCh | 66, 61.491, 155.199 |
| Yxy | 35.9683, 0.2628, 0.4615 |
| Android (android.graphics.Color) | 4279023985 (0xFF0CB971) |
| YUV | 125.0650, -5.9480, -99.1580 |
| Hunter-Lab | 59.9736, -43.9928, 20.7390 |

Details

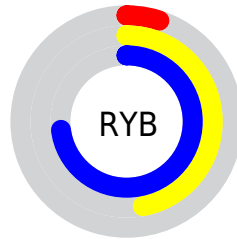
The Yxy color **35.9683, 0.2628, 0.4615** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **11.2203, 0.5130, 0.2647**, and the grayscale version is **20.5798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8175, 0.2741, 0.4329**, and **16.3354, 0.2718, 0.4984** is the 20% darker color. If you saturate the color by 10%, you get **35.7810, 0.2643, 0.4716**, and if you desaturate by 10%, it is **36.3567, 0.2615, 0.4457**.

Distribution



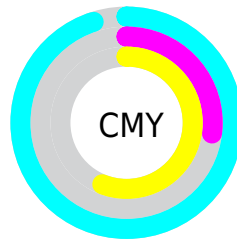
- Red (5%)
- Green (73%)
- Blue (44%)



- Red (5%)
- Yellow (47%)
- Blue (73%)



- Cyan (93%)
- Magenta (0%)
- Yellow (39%)
- Black (27%)





- Cyan (95%)
- Magenta (27%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.9683, 0.2628, 0.4615 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 35.9683, 0.2628, 0.4615 by changing the saturation by 10% instead.


 35.9683, 0.2628,
0.4615

 35.9683, 0.2628,
0.4615


328.8220, 0.2913,
0.3874

 24.4097, 0.2543,
0.4829


 68.9831, 0.2741,
0.4325


 15.6378, 0.2425,
0.5121


 91.2082, 0.2781,
0.4223

 9.2682, 0.2252,
0.5542


 117.7575, 0.2813,
0.4138

 4.9166, 0.1977,
0.6189

 149.0155, 0.2840,
0.4068

 2.1984, 0.1353,
0.7975

 185.3665, 0.2863,
0.4008

 0.7191, 0.0000,
1.0000

 227.1950, 0.2882,

 0.0000, 0.0000,

0.3957

0.0000

274.8854, 0.2899,
0.3913

■ 35.9683, 0.2628,
0.4615

■ 35.9683, 0.2628,
0.4615

■ 35.7810, 0.2643,
0.4716

■ 36.3567, 0.2615,
0.4457

■ 36.9227, 0.2622,
0.4295

■ 37.6930, 0.2649,
0.4134

■ 38.6884, 0.2694,
0.3976

■ 39.9272, 0.2755,
0.3826

■ 41.4257, 0.2828,
0.3684

■ 43.1987, 0.2911,
0.3553

■ 45.2600, 0.3001,
0.3433

■ 47.6223, 0.3094,
0.3325

Harmonies

Analogous

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



35.9683, 0.3489, 0.5030



35.9683, 0.2628, 0.4615



35.9683, 0.1953, 0.3622

Triad

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



35.9683, 0.2628, 0.4615



35.9683, 0.1921, 0.1929



35.9683, 0.4917, 0.3480

Complementary

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



35.9683, 0.2628, 0.4615



11.2203, 0.5130, 0.2647

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.



35.9683, 0.4378, 0.2860



35.9683, 0.2628, 0.4615



35.9683, 0.2547, 0.2015

Square

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



35.9683, 0.2628, 0.4615



35.9683, 0.1614, 0.2129



35.9683, 0.3450, 0.2343



35.9683, 0.4852, 0.4138

Rectangle

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



35.9683, 0.2628, 0.4615



35.9683, 0.1689, 0.2960



35.9683, 0.3450, 0.2343



35.9683, 0.4802, 0.3266

Sweetspot

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



35.9697, 0.2628, 0.4615



75.7219, 0.2869, 0.3617



36.6160, 0.3294, 0.5721



16.0405, 0.2834, 0.3674



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.



35.9697, 0.2628, 0.4615



64.0344, 0.2650, 0.4740



32.5530, 0.2189, 0.3045



10.1457, 0.3039, 0.3387



24.3779, 0.2638, 0.4697



0.8714, 0.2526, 0.4292

Inverse Universe

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



11.2203, 0.5130, 0.2647



19.3889, 0.5351, 0.2721



11.1015, 0.6204, 0.3367



9.0726, 0.3224, 0.3195



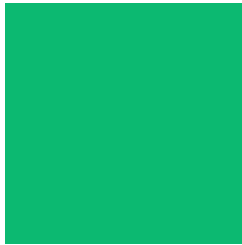
7.4020, 0.5280, 0.2682



0.2733, 0.4617, 0.2317

Previews

White Background



This preview shows how the Yxy color 35.9683, 0.2628, 0.4615 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 35.9683, 0.2628, 0.4615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

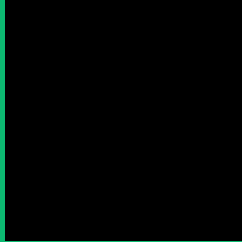
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.9683, 0.2628, 0.4615

Background



This preview shows how black text looks on a background with the Yxy color 35.9683, 0.2628, 0.4615.



This preview shows how white text looks on a background with the Yxy color 35.9683, 0.2628, 0.4615.

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

35.9683, 0.2628, 0.4615

Protanopia

35.2348, 0.3809, 0.4105

Deuteranopia

35.2861, 0.3826, 0.3758



Tritanopia

35.9617, 0.2313, 0.3065

Trichromacy



Original Color

35.9683, 0.2628, 0.4615



Protanomaly

33.1505, 0.3154, 0.4348



Deuteranomaly

32.5546, 0.3161, 0.4097



Tritanomaly

35.4532, 0.2405, 0.3580

Monochromacy



Original Color

35.9683, 0.2628, 0.4615



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

24.1327, 0.2763, 0.3801

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9683, 0.2628, 0.4615 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(12, 185, 113)` looks like.

```
.text, #text, p{  
    color:rgb(12, 185, 113)  
}
```

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(12, 185, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 185, 113) }
```

Border

The CSS property to change the border of an element to Yxy 35.9683, 0.2628, 0.4615 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(12, 185, 113) }
```

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

```
.border{ border-color:rgb(12, 185, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 185, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 185, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 185, 113);  
box-shadow:4px 4px 4px 4px rgb(12, 185,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9683, 0.2628, 0.4615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 185, 113) }
```

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

```
.background{ background-color: rgb(12, 185,  
113) }
```

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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