

Converting Colors

$Y_{xy}(34.3788, 0.2625, 0.4649)$

Have a look what the booklet for
Yxy(34.3788, 0.2625, 0.4649)
contains.

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Color

Yxy(34.5600, 0.2628, 0.4660)

Conversions

Conversions Part 1

Format	Color
Hex	00B66D
RGB	0, 182, 109
RGB Percent	0%, 71%, 43%
CMY	0.9993, 0.2863, 0.5725
CMYK	1.00, 0.00, 0.40, 0.29
HSL	156°, 100%, 36%
HSV	156°, 100%, 71%
XYZ	19.4901, 34.5600, 20.1130
YIQ	119.2600, -85.0390, -61.2870

Conversions

Conversions Part 2

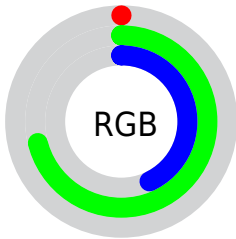
Format	Color
RYB	0, 114, 182
Decimal	46701
CIELab	65.40, -56.04, 26.45
CIELCh	65, 61.965, 154.732
Yxy	34.5600, 0.2628, 0.4660
Android (android.graphics.Color)	4278236781 (0xFF00B66D)
YUV	119.2600, -5.0582, -104.5910
Hunter-Lab	58.7878, -43.7000, 20.8666

Details

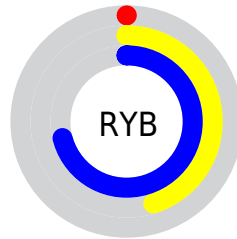
The Yxy color **34.5600, 0.2628, 0.4660** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **10.4324, 0.5367, 0.2731**, and the grayscale version is **18.5893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.7391, 0.2744, 0.4358**, and **15.7646, 0.2738, 0.5058** is the 20% darker color. If you saturate the color by 10%, you get **34.5586, 0.2628, 0.4661**, and if you desaturate by 10%, it is **34.8565, 0.2608, 0.4509**.

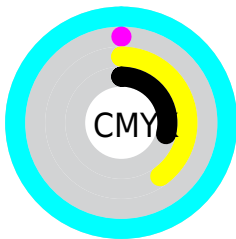
Distribution



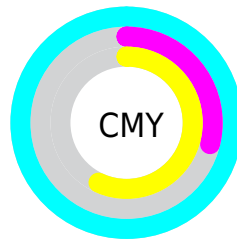
- Red (0%)
- Green (71%)
- Blue (43%)



- Red (0%)
- Yellow (45%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (29%)




- Cyan (100%)
- Magenta (29%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5600, 0.2628, 0.4660 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 34.5600, 0.2628, 0.4660 by changing the saturation by 10% instead.


 34.5600, 0.2628,
0.4660


 34.5600, 0.2628,
0.4660


322.6219, 0.2917,
0.3888


 23.3241, 0.2541,
0.4885

 66.8036, 0.2744,
0.4356

 14.8330, 0.2418,
0.5194


 88.5801, 0.2784,
0.4250


 8.7023, 0.2236,
0.5642


 114.6389, 0.2816,
0.4162

 4.5475, 0.1944,
0.6335

 145.3645, 0.2843,
0.4089

 1.9843, 0.1127,
0.8839

 181.1412, 0.2866,
0.4027

 0.5983, 0.0000,
1.0000

 222.3534, 0.2885,

 0.0000, 0.0000,

0.3974

0.0000

269.3855, 0.2902,
0.3928

■ 34.5600, 0.2628,
0.4660

■ 34.5600, 0.2628,
0.4660

■ 34.5586, 0.2628,
0.4661

■ 34.8565, 0.2608,
0.4509

■ 35.2872, 0.2603,
0.4355

■ 35.8987, 0.2619,
0.4200

■ 36.7134, 0.2653,
0.4046

■ 37.7503, 0.2706,
0.3897

■ 39.0262, 0.2773,
0.3755

■ 40.5561, 0.2852,
0.3623

■ 42.3539, 0.2939,
0.3500

■ 44.4324, 0.3032,
0.3389

Harmonies

Analogous

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



34.5600, 0.3504, 0.5068



34.5600, 0.2628, 0.4660



34.5600, 0.1938, 0.3644

Triad

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



34.5600, 0.2628, 0.4660



34.5600, 0.1893, 0.1907



34.5600, 0.4949, 0.3468

Complementary

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



34.5600, 0.2628, 0.4660



10.4324, 0.5367, 0.2731

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.



34.5600, 0.4392, 0.2841



34.5600, 0.2628, 0.4660



34.5600, 0.2523, 0.1991

Square

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



34.5600, 0.2628, 0.4660



34.5600, 0.1587, 0.2112



34.5600, 0.3439, 0.2320



34.5600, 0.4888, 0.4136

Rectangle

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



34.5600, 0.2628, 0.4660



34.5600, 0.1668, 0.2965



34.5600, 0.3439, 0.2320



34.5600, 0.4829, 0.3252

Sweetspot

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



34.5614, 0.2628, 0.4660



73.3459, 0.2847, 0.3630



34.9903, 0.3262, 0.5792



15.9322, 0.2813, 0.3685



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.



34.5614, 0.2628, 0.4660



62.6066, 0.2635, 0.4686



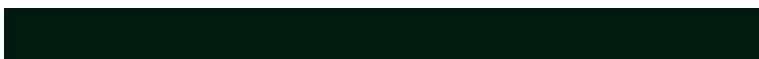
30.9605, 0.2175, 0.3028



10.1479, 0.3037, 0.3383



24.4183, 0.2623, 0.4644



0.8727, 0.2515, 0.4254

Inverse Universe

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



10.4324, 0.5367, 0.2731



18.8603, 0.5411, 0.2754



10.2966, 0.6335, 0.3351



9.0704, 0.3227, 0.3199



7.3758, 0.5340, 0.2715



0.2724, 0.4661, 0.2342

Previews

White Background



This preview shows how the Yxy color 34.5600, 0.2628, 0.4660 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 34.5600, 0.2628, 0.4660 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 34.5600, 0.2628, 0.4660

Background



This preview shows how black text looks on a background with the Yxy color 34.5600, 0.2628, 0.4660.



This preview shows how white text looks on a background with the Yxy color 34.5600, 0.2628, 0.4660.

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

34.5600, 0.2628, 0.4660

Protanopia

34.1252, 0.3824, 0.4144

Deuteranopia

33.8333, 0.3850, 0.3779



Tritanopia

34.6332, 0.2313, 0.3062

Trichromacy



Original Color

34.5600, 0.2628, 0.4660



Protanomaly

31.9317, 0.3134, 0.4409



Deuteranomaly

30.8845, 0.3133, 0.4140



Tritanomaly

34.0461, 0.2395, 0.3585

Monochromacy



Original Color

34.5600, 0.2628, 0.4660



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

22.1203, 0.2737, 0.3845

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5600, 0.2628, 0.4660 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, 182, 109)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 109)  
}
```

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, 182, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 109) }
```

Border

The CSS property to change the border of an element to Yxy 34.5600, 0.2628, 0.4660 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, 182, 109) }
```

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

```
.border{ border-color:rgb(0, 182, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 182, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 109);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5600, 0.2628, 0.4660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 109) }
```

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

```
.background{ background-color: rgb(0, 182,  
109) }
```

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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