

Converting Colors

$Yxy(34.4833, 0.2562, 0.4423)$

Have a look what the booklet for
Yxy(34.4833, 0.2562, 0.4423)
contains.

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Color

Yxy(34.4038, 0.2564, 0.4429)

Conversions

Conversions Part 1

Format	Color
Hex	00B578
RGB	0, 181, 120
RGB Percent	0%, 71%, 47%
CMY	0.9986, 0.2902, 0.5294
CMYK	1.00, 0.00, 0.34, 0.29
HSL	160°, 100%, 36%
HSV	160°, 100%, 71%
XYZ	19.9168, 34.4038, 23.3579
YIQ	119.9270, -88.2950, -57.3430

Conversions

Conversions Part 2

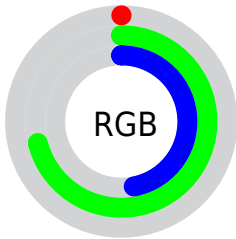
Format	Color
RYB	0, 109, 181
Decimal	46456
CIELab	65.28, -53.37, 20.42
CIELCh	65, 57.142, 159.067
Yxy	34.4038, 0.2564, 0.4429
Android (android.graphics.Color)	4278236536 (0xFF00B578)
YUV	119.9270, 0.0360, -105.1760
Hunter-Lab	58.6548, -42.0345, 17.4474

Details

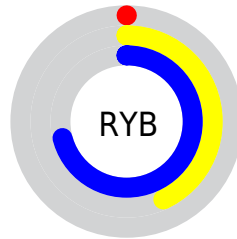
The Yxy color **34.4038, 0.2564, 0.4429** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **10.1717, 0.5615, 0.2868**, and the grayscale version is **18.8130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.5991, 0.2685, 0.4174**, and **15.6337, 0.2654, 0.4755** is the 20% darker color. If you saturate the color by 10%, you get **34.4001, 0.2564, 0.4431**, and if you desaturate by 10%, it is **34.6890, 0.2549, 0.4302**.

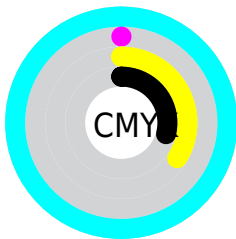
Distribution



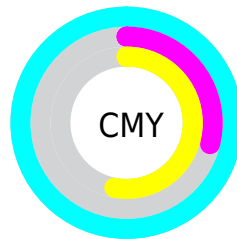
- Red (0%)
- Green (71%)
- Blue (47%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (29%)





- Cyan (100%)
- Magenta (29%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.4038, 0.2564, 0.4429 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 34.4038, 0.2564, 0.4429 by changing the saturation by 10% instead.

 34.4038, 0.2564,
0.4429


 34.4038, 0.2564,
0.4429

321.9288, 0.2878,
0.3792


 23.2040, 0.2474,
0.4613


 66.5611, 0.2686,
0.4180


 14.7442, 0.2350,
0.4867


 88.2874, 0.2730,
0.4091


 8.6401, 0.2172,
0.5235


 114.2913, 0.2765,
0.4019

 4.5072, 0.1895,
0.5810

 144.9572, 0.2795,
0.3959

 1.9611, 0.1138,
0.7315

 180.6695, 0.2821,
0.3907

 0.5847, 0.0000,
1.0000

 221.8127, 0.2842,

 0.0000, 0.0000,

0.3864

0.0000

268.7710, 0.2861,
0.3825

■ 34.4038, 0.2564,
0.4429

■ 34.4038, 0.2564,
0.4429

■ 34.4001, 0.2564,
0.4431

■ 34.6890, 0.2549,
0.4302

■ 35.1039, 0.2550,
0.4174

■ 35.6938, 0.2571,
0.4045

■ 36.4807, 0.2612,
0.3917

■ 37.4832, 0.2670,
0.3794

■ 38.7176, 0.2743,
0.3677

■ 40.1988, 0.2828,
0.3567

■ 41.9403, 0.2923,
0.3465

■ 43.9545, 0.3024,
0.3372

Harmonies

Analogous

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



34.4038, 0.3375, 0.4916



34.4038, 0.2564, 0.4429



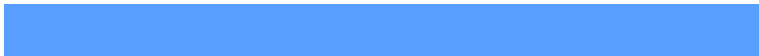
34.4038, 0.1953, 0.3480

Triad

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



34.4038, 0.2564, 0.4429



34.4038, 0.2039, 0.1988



34.4038, 0.4844, 0.3564

Complementary

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



34.4038, 0.2564, 0.4429



10.1717, 0.5615, 0.2868

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.



34.4038, 0.4402, 0.2959



34.4038, 0.2564, 0.4429



34.4038, 0.2678, 0.2101

Square

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



34.4038, 0.2564, 0.4429



34.4038, 0.1703, 0.2146



34.4038, 0.3554, 0.2444



34.4038, 0.4723, 0.4193

Rectangle

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



34.4038, 0.2564, 0.4429



34.4038, 0.1726, 0.2880



34.4038, 0.3554, 0.2444



34.4038, 0.4759, 0.3357

Sweetspot

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



34.4052, 0.2564, 0.4429



71.7986, 0.2822, 0.3574



34.1235, 0.3190, 0.5848



15.2714, 0.2786, 0.3619



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.



34.4052, 0.2564, 0.4429



61.5672, 0.2570, 0.4452



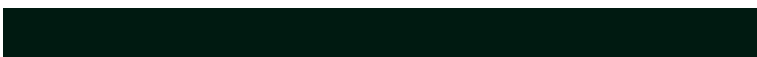
26.4166, 0.2114, 0.2808



9.5818, 0.3029, 0.3368



23.7286, 0.2560, 0.4416



0.7570, 0.2462, 0.4062

Inverse Universe

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



10.1717, 0.5615, 0.2868



18.1619, 0.5662, 0.2893



10.6286, 0.6252, 0.3415



8.5510, 0.3236, 0.3213



7.0172, 0.5588, 0.2852



0.2320, 0.4796, 0.2416

Previews

White Background



This preview shows how the Yxy color 34.4038, 0.2564, 0.4429 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 34.4038, 0.2564, 0.4429 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 34.4038, 0.2564, 0.4429

Background



This preview shows how black text looks on a background with the Yxy color 34.4038, 0.2564, 0.4429.



This preview shows how white text looks on a background with the Yxy color 34.4038, 0.2564, 0.4429.

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

34.4038, 0.2564, 0.4429

Protanopia

33.7858, 0.3706, 0.3982

Deuteranopia

33.7328, 0.3704, 0.3630



Tritanopia

34.5318, 0.2302, 0.3061

Trichromacy



Original Color

34.4038, 0.2564, 0.4429



Protanomaly

31.6755, 0.3033, 0.4203



Deuteranomaly

31.0778, 0.3033, 0.3945



Tritanomaly

34.1461, 0.2368, 0.3513

Monochromacy



Original Color

34.4038, 0.2564, 0.4429



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

22.2386, 0.2696, 0.3738

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4038, 0.2564, 0.4429 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, 181, 120)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 120)  
}
```

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, 181, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 120) }
```

Border

The CSS property to change the border of an element to Yxy 34.4038, 0.2564, 0.4429 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, 181, 120) }
```

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

```
.border{ border-color:rgb(0, 181, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 120);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4038, 0.2564, 0.4429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 120) }
```

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

```
.background{ background-color: rgb(0, 181,  
120) }
```

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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