

Converting Colors

$Y_{xy}(32.7079, 0.2222, 0.5079)$

Have a look what the booklet for
Yxy(32.7079, 0.2222, 0.5079)
contains.

Yxy(35.1818, 0.2688, 0.4876)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(35.1818, 0.2688, 0.4876)

Conversions

Conversions Part 1

Format	Color
Hex	00B863
RGB	0, 184, 99
RGB Percent	0%, 72%, 39%
CMY	0.9993, 0.2784, 0.6117
CMYK	1.00, 0.00, 0.46, 0.28
HSL	152°, 100%, 36%
HSV	152°, 100%, 72%
XYZ	19.3947, 35.1818, 17.5765
YIQ	119.2940, -82.3790, -65.4430

Conversions

Conversions Part 2

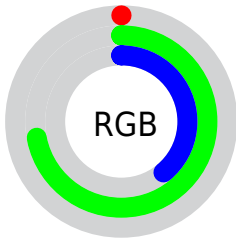
Format	Color
RYB	0, 120, 184
Decimal	47203
CIELab	65.89, -58.61, 32.29
CIELCh	66, 66.917, 151.147
Yxy	35.1818, 0.2688, 0.4876
Android (android.graphics.Color)	4278237283 (0xFF00B863)
YUV	119.2940, -10.0049, -104.6208
Hunter-Lab	59.3142, -45.4335, 23.9507

Details

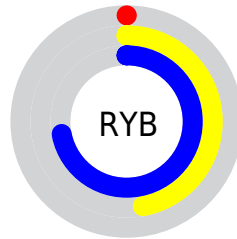
The Yxy color **35.1818, 0.2688, 0.4876** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **10.8527, 0.5116, 0.2592**, and the grayscale version is **18.6162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6318, 0.2798, 0.4520**, and **15.9308, 0.2808, 0.5309** is the 20% darker color. If you saturate the color by 10%, you get **35.1805, 0.2688, 0.4878**, and if you desaturate by 10%, it is **35.4877, 0.2663, 0.4706**.

Distribution



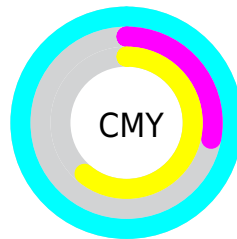
- Red (0%)
- Green (72%)
- Blue (39%)



- Red (0%)
- Yellow (47%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (46%)
- Black (28%)





- Cyan (100%)
- Magenta (28%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1818, 0.2688, 0.4876 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 35.1818, 0.2688, 0.4876 by changing the saturation by 10% instead.


 35.1818, 0.2688,
0.4876

 35.1818, 0.2688,
0.4876


325.3701, 0.2954,
0.3980

 23.8030, 0.2603,
0.5136


 67.7673, 0.2798,
0.4524


 15.1875, 0.2480,
0.5492


 89.7428, 0.2835,
0.4400


 8.9511, 0.2293,
0.6002


 116.0192, 0.2865,
0.4298

 4.7093, 0.1984,
0.6774

 146.9810, 0.2889,
0.4213

 2.0777, 0.1040,
0.8960

 183.0126, 0.2910,
0.4141

 0.6521, 0.0000,
1.0000

 224.4984, 0.2927,

 0.0000, 0.0000,

0.4080

0.0000

271.8228, 0.2942,
0.4027

■ 35.1818, 0.2688,
0.4876

■ 35.1818, 0.2688,
0.4876

■ 35.1805, 0.2688,
0.4878

■ 35.4877, 0.2663,
0.4706

■ 35.9355, 0.2654,
0.4529

■ 36.5727, 0.2664,
0.4348

■ 37.4226, 0.2694,
0.4169

■ 38.5050, 0.2741,
0.3995

■ 39.8370, 0.2803,
0.3830

■ 41.4345, 0.2875,
0.3675

■ 43.3117, 0.2955,
0.3533

■ 45.4819, 0.3040,
0.3405

Harmonies

Analogous

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



35.1818, 0.3621, 0.5192



35.1818, 0.2688, 0.4876



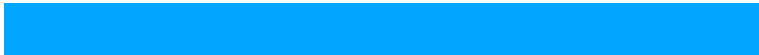
35.1818, 0.1927, 0.3808

Triad

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



35.1818, 0.2688, 0.4876



35.1818, 0.1765, 0.1836



35.1818, 0.5040, 0.3378

Complementary

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



35.1818, 0.2688, 0.4876



10.8527, 0.5116, 0.2592

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.



35.1818, 0.4374, 0.2734



35.1818, 0.2688, 0.4876



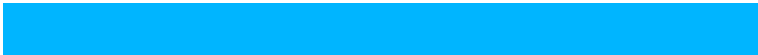
35.1818, 0.2382, 0.1893

Square

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



35.1818, 0.2688, 0.4876



35.1818, 0.1485, 0.2084



35.1818, 0.3329, 0.2209



35.1818, 0.5037, 0.4075

Rectangle

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



35.1818, 0.2688, 0.4876



35.1818, 0.1617, 0.3050



35.1818, 0.3329, 0.2209



35.1818, 0.4887, 0.3155

Sweetspot

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



35.1832, 0.2688, 0.4876



74.9238, 0.2870, 0.3684



36.2579, 0.3323, 0.5743



15.8806, 0.2839, 0.3748



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.



35.1832, 0.2688, 0.4876



63.7255, 0.2696, 0.4904



35.2519, 0.2218, 0.3186



10.1387, 0.3045, 0.3398



24.2606, 0.2683, 0.4857



0.8676, 0.2559, 0.4411

Inverse Universe

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



10.8527, 0.5116, 0.2592



19.6165, 0.5156, 0.2614



10.3276, 0.6375, 0.3319



9.0794, 0.3217, 0.3185



7.4899, 0.5089, 0.2577



0.2766, 0.4482, 0.2243

Previews

White Background



This preview shows how the Yxy color 35.1818, 0.2688, 0.4876 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 35.1818, 0.2688, 0.4876 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 35.1818, 0.2688, 0.4876

Background



This preview shows how black text looks on a background with the Yxy color 35.1818, 0.2688, 0.4876.



This preview shows how white text looks on a background with the Yxy color 35.1818, 0.2688, 0.4876.

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

35.1818, 0.2688, 0.4876

Protanopia

34.6484, 0.3929, 0.4264

Deuteranopia

34.4652, 0.3977, 0.3903



Tritanopia

35.1682, 0.2323, 0.3064

Trichromacy



Original Color

35.1818, 0.2688, 0.4876



Protanomaly

32.1751, 0.3215, 0.4591



Deuteranomaly

31.6153, 0.3231, 0.4317



Tritanomaly

34.7766, 0.2425, 0.3673

Monochromacy



Original Color

35.1818, 0.2688, 0.4876



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

22.3513, 0.2764, 0.3929

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1818, 0.2688, 0.4876 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, 184, 99)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 99)  
}
```

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, 184, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 99) }
```

Border

The CSS property to change the border of an element to Yxy 35.1818, 0.2688, 0.4876 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, 184, 99) }
```

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

```
.border{ border-color:rgb(0, 184, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 184, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 99);  
box-shadow:4px 4px 4px 4px rgb(0, 184, 99)  
}
```


Background

The CSS property to change the background color of an element to Yxy 35.1818, 0.2688, 0.4876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 184, 99) }
```

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

```
.background{ background-color: rgb(0, 184,  
99) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor