

Converting Colors

$Y_{xy}(35.3703, 0.2595, 0.4543)$

Have a look what the booklet for
Yxy(35.3703, 0.2595, 0.4543)
contains.

Yxy(35.5419, 0.2597, 0.4548)	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(35.5419, 0.2597, 0.4548)

Conversions

Conversions Part 1

Format	Color
Hex	00B874
RGB	0, 184, 116
RGB Percent	0%, 72%, 45%
CMY	0.9988, 0.2784, 0.5451
CMYK	1.00, 0.00, 0.37, 0.28
HSL	158°, 100%, 36%
HSV	158°, 100%, 72%
XYZ	20.2951, 35.5419, 22.3114
YIQ	121.2320, -87.8360, -60.1560

Conversions

Conversions Part 2

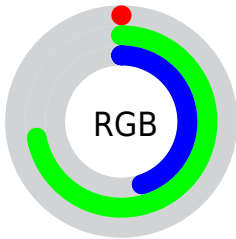
Format	Color
RYB	0, 113, 184
Decimal	47220
CIELab	66.17, -55.32, 23.76
CIELCh	66, 60.209, 156.758
Yxy	35.5419, 0.2597, 0.4548
Android (android.graphics.Color)	4278237300 (0xFF00B874)
YUV	121.2320, -2.5794, -106.3205
Hunter-Lab	59.6170, -43.5639, 19.5429

Details

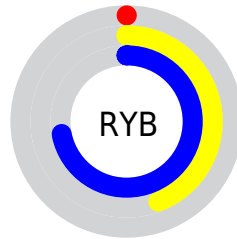
The Yxy color **35.5419, 0.2597, 0.4548** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **10.6177, 0.5493, 0.2801**, and the grayscale version is **19.2590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2245, 0.2718, 0.4277**, and **16.1058, 0.2692, 0.4892** is the 20% darker color. If you saturate the color by 10%, you get **35.5389, 0.2597, 0.4550**, and if you desaturate by 10%, it is **35.8412, 0.2579, 0.4409**.

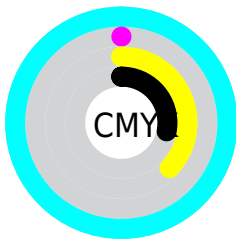
Distribution



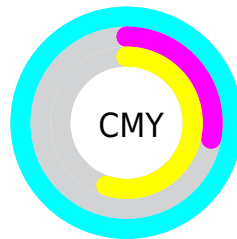
- Red (0%)
- Green (72%)
- Blue (45%)



- Red (0%)
- Yellow (44%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (28%)





- Cyan (100%)
- Magenta (28%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 35.5419, 0.2597, 0.4548 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 35.5419, 0.2597, 0.4548 by changing the saturation by 10% instead.

 35.5419, 0.2597,
0.4548


 35.5419, 0.2597,
0.4548


 326.9538, 0.2896,
0.3845


 24.0806, 0.2509,
0.4751


 68.3244, 0.2715,
0.4273


 15.3934, 0.2389,
0.5029


 90.4144, 0.2756,
0.4176


 9.0960, 0.2213,
0.5431


 116.8161, 0.2790,
0.4096

 4.8038, 0.1937,
0.6053

 147.9139, 0.2819,
0.4029

 2.1326, 0.1266,
0.7696

 184.0922, 0.2842,
0.3972

 0.6829, 0.0000,
1.0000

 225.7353, 0.2863,

 0.0000, 0.0000,

0.3924

0.0000

273.2277, 0.2881,
0.3881

■ 35.5419, 0.2597,
0.4548

■ 35.5419, 0.2597,
0.4548

■ 35.5389, 0.2597,
0.4550

■ 35.8412, 0.2579,
0.4409

■ 36.2771, 0.2577,
0.4267

■ 36.8967, 0.2595,
0.4124

■ 37.7227, 0.2633,
0.3983

■ 38.7748, 0.2688,
0.3847

■ 40.0700, 0.2758,
0.3717

■ 41.6238, 0.2840,
0.3595

■ 43.4502, 0.2931,
0.3483

■ 45.5624, 0.3028,
0.3381

Harmonies

Analogous

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



35.5419, 0.3442, 0.4997



35.5419, 0.2597, 0.4548



35.5419, 0.1945, 0.3563

Triad

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



35.5419, 0.2597, 0.4548



35.5419, 0.1962, 0.1946



35.5419, 0.4899, 0.3514

Complementary

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



35.5419, 0.2597, 0.4548



10.6177, 0.5493, 0.2801

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.



35.5419, 0.4398, 0.2898



35.5419, 0.2597, 0.4548



35.5419, 0.2597, 0.2043

Square

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



35.5419, 0.2597, 0.4548



35.5419, 0.1642, 0.2128



35.5419, 0.3496, 0.2379



35.5419, 0.4809, 0.4164

Rectangle

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



35.5419, 0.2597, 0.4548



35.5419, 0.1695, 0.2923



35.5419, 0.3496, 0.2379



35.5419, 0.4796, 0.3302

Sweetspot

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



35.5433, 0.2597, 0.4548



75.2536, 0.2834, 0.3603



35.6101, 0.3224, 0.5821



15.9594, 0.2799, 0.3653



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.



35.5433, 0.2597, 0.4548



64.3770, 0.2604, 0.4573



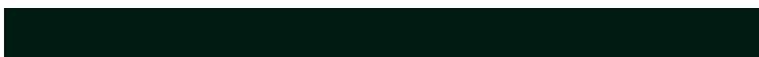
29.5034, 0.2144, 0.2919



10.1527, 0.3033, 0.3376



24.5074, 0.2593, 0.4533



0.8755, 0.2493, 0.4173

Inverse Universe

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



10.6177, 0.5493, 0.2801



19.1896, 0.5539, 0.2825



10.7544, 0.6299, 0.3378



9.0657, 0.3231, 0.3206



7.3244, 0.5465, 0.2784



0.2703, 0.4755, 0.2393

Previews

White Background



This preview shows how the Yxy color 35.5419, 0.2597, 0.4548 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 35.5419, 0.2597, 0.4548 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 35.5419, 0.2597, 0.4548

Background



This preview shows how black text looks on a background with the Yxy color 35.5419, 0.2597, 0.4548.



This preview shows how white text looks on a background with the Yxy color 35.5419, 0.2597, 0.4548.

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

35.5419, 0.2597, 0.4548

Protanopia

35.0665, 0.3761, 0.4070

Deuteranopia

34.7773, 0.3780, 0.3707



Tritanopia

35.4579, 0.2307, 0.3064

Trichromacy



Original Color

35.5419, 0.2597, 0.4548



Protanomaly

32.8167, 0.3079, 0.4312



Deuteranomaly

31.8289, 0.3083, 0.4042



Tritanomaly

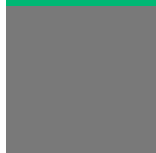
34.9208, 0.2384, 0.3564

Monochromacy



Original Color

35.5419, 0.2597, 0.4548



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

22.8562, 0.2717, 0.3795

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5419, 0.2597, 0.4548 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, 116)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 116)  
}
```

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, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 116) }
```

Border

The CSS property to change the border of an element to Yxy 35.5419, 0.2597, 0.4548 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, 116) }
```

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

```
.border{ border-color:rgb(0, 184, 116) }
```

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, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 116);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5419, 0.2597, 0.4548 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, 116) }
```

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

```
.background{ background-color: rgb(0, 184,  
116) }
```

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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