

Converting Colors

$Y_{xy}(35.9412, 0.2767, 0.5116)$

Have a look what the booklet for
Yxy(35.9412, 0.2767, 0.5116)
contains.

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Color

Yxy(35.8771, 0.2765, 0.5110)

Conversions

Conversions Part 1

Format	Color
Hex	0BBA57
RGB	11, 186, 87
RGB Percent	4%, 73%, 34%
CMY	0.9586, 0.2705, 0.6588
CMYK	0.94, 0.00, 0.53, 0.27
HSL	146°, 89%, 39%
HSV	146°, 94%, 73%
XYZ	19.4130, 35.8771, 14.9195
YIQ	122.3890, -72.5210, -67.8890

Conversions

Conversions Part 2

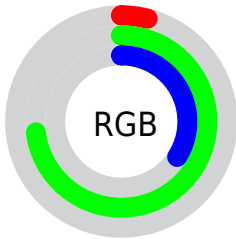
Format	Color
RYB	11, 133, 186
Decimal	768599
CIELab	66.43, -60.83, 39.00
CIELCh	66, 72.259, 147.330
Yxy	35.8771, 0.2765, 0.5110
Android (android.graphics.Color)	4278958679 (0xFF0BBA57)
YUV	122.3890, -17.4468, -97.6882
Hunter-Lab	59.8975, -46.9683, 27.1600

Details

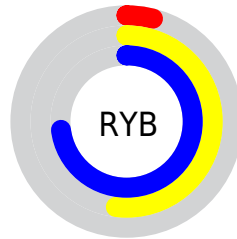
The Yxy color **35.8771, 0.2765, 0.5110** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **11.7857, 0.4574, 0.2328**, and the grayscale version is **19.6279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.6179, 0.2868, 0.4702**, and **16.3662, 0.2886, 0.5589** is the 20% darker color. If you saturate the color by 10%, you get **35.7171, 0.2783, 0.5218**, and if you desaturate by 10%, it is **36.2581, 0.2742, 0.4908**.

Distribution



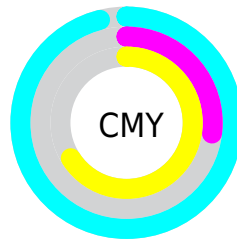
- Red (4%)
- Green (73%)
- Blue (34%)



- Red (4%)
- Yellow (52%)
- Blue (73%)



- Cyan (94%)
- Magenta (0%)
- Yellow (53%)
- Black (27%)




- Cyan (96%)
- Magenta (27%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8771, 0.2765, 0.5110 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 35.8771, 0.2765, 0.5110 by changing the saturation by 10% instead.


 35.8771, 0.2765,
0.5110


 35.8771, 0.2765,
0.5110


328.4231, 0.3003,
0.4082

 24.3393, 0.2681,
0.5405


 68.8423, 0.2868,
0.4708


 15.5855, 0.2557,
0.5804


 91.0385, 0.2902,
0.4565


 9.2313, 0.2361,
0.6365


 117.5563, 0.2928,
0.4448

 4.8924, 0.2053,
0.7266

 148.7801, 0.2949,
0.4351

 2.1843, 0.1003,
0.8997

 185.0943, 0.2966,
0.4268

 0.7114, 0.0000,
1.0000

 226.8833, 0.2981,

 0.0000, 0.0000,

0.4197

0.0000

274.5314, 0.2993,
0.4136

■ 35.8771, 0.2765,
0.5110

■ 35.8771, 0.2765,
0.5110

■ 35.7171, 0.2783,
0.5218

■ 36.2581, 0.2742,
0.4908

■ 36.8273, 0.2737,
0.4693

■ 37.6126, 0.2751,
0.4474

■ 38.6361, 0.2783,
0.4255

■ 39.9171, 0.2829,
0.4045

■ 41.4727, 0.2886,
0.3847

■ 43.3186, 0.2952,
0.3665

■ 45.4692, 0.3022,
0.3498

■ 47.9381, 0.3095,
0.3349

Harmonies

Analogous

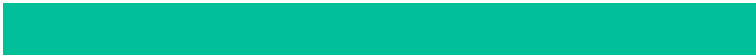
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.8771, 0.3752, 0.5297



35.8771, 0.2765, 0.5110



35.8771, 0.1928, 0.4009

Triad

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



35.8771, 0.2765, 0.5110



35.8771, 0.1633, 0.1768



35.8771, 0.5121, 0.3274

Complementary

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



35.8771, 0.2765, 0.5110



11.7857, 0.4574, 0.2328

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.



35.8771, 0.4330, 0.2615



35.8771, 0.2765, 0.5110



35.8771, 0.2229, 0.1794

Square

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



35.8771, 0.2765, 0.5110



35.8771, 0.1385, 0.2066



35.8771, 0.3194, 0.2092



35.8771, 0.5191, 0.3995

Rectangle

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



35.8771, 0.2765, 0.5110



35.8771, 0.1574, 0.3165



35.8771, 0.3194, 0.2092



35.8771, 0.4929, 0.3045

Sweetspot

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



35.8786, 0.2765, 0.5110



77.0587, 0.2924, 0.3738



38.4589, 0.3487, 0.5577



16.6566, 0.2896, 0.3818



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.8786, 0.2765, 0.5110



64.6846, 0.2791, 0.5247



38.2585, 0.2308, 0.3482



10.1234, 0.3059, 0.3422



24.0409, 0.2776, 0.5194



0.8600, 0.2632, 0.4675

Inverse Universe

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



11.7857, 0.4574, 0.2328



20.7188, 0.4719, 0.2373



10.7285, 0.6216, 0.3251



9.0948, 0.3202, 0.3162



7.7239, 0.4665, 0.2343



0.2845, 0.4194, 0.2084

Previews

White Background



This preview shows how the Yxy color 35.8771, 0.2765, 0.5110 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 35.8771, 0.2765, 0.5110 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 35.8771, 0.2765, 0.5110

Background



This preview shows how black text looks on a background with the Yxy color 35.8771, 0.2765, 0.5110.



This preview shows how white text looks on a background with the Yxy color 35.8771, 0.2765, 0.5110.

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

35.8771, 0.2765, 0.5110

Protanopia

35.0388, 0.4040, 0.4413

Deuteranopia

35.0963, 0.4119, 0.4043



Tritanopia

35.7505, 0.2338, 0.3066

Trichromacy



Original Color

35.8771, 0.2765, 0.5110



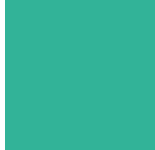
Protanomaly

32.6830, 0.3342, 0.4775



Deuteranomaly

32.2126, 0.3373, 0.4493



Tritanomaly

35.1853, 0.2469, 0.3760

Monochromacy



Original Color

35.8771, 0.2765, 0.5110



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

23.1043, 0.2833, 0.4021

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8771, 0.2765, 0.5110 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(11, 186, 87)` looks like.

```
.text, #text, p{  
    color:rgb(11, 186, 87)  
}
```

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(11, 186, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 186, 87) }
```

Border

The CSS property to change the border of an element to Yxy 35.8771, 0.2765, 0.5110 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(11, 186, 87) }
```

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

```
.border{ border-color:rgb(11, 186, 87) }
```

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

Here you see how a box with a 4 pixel rgb(11, 186, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 186, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 186, 87);  
box-shadow:4px 4px 4px 4px rgb(11, 186,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8771, 0.2765, 0.5110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 186, 87) }
```

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

```
.background{ background-color: rgb(11, 186,  
87) }
```

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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