

Converting Colors

$Y_{xy}(65.7094, 0.2634, 0.4682)$

Have a look what the booklet for
Yxy(65.7094, 0.2634, 0.4682)
contains.

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Color

Yxy(65.5486, 0.2635, 0.4685)

Conversions

Conversions Part 1

Format	Color
Hex	00F291
RGB	0, 242, 145
RGB Percent	0%, 95%, 57%
CMY	0.9983, 0.0510, 0.4314
CMYK	1.00, 0.00, 0.40, 0.05
HSL	156°, 100%, 48%
HSV	156°, 100%, 95%
XYZ	36.8667, 65.5486, 37.4963
YIQ	158.5840, -113.0950, -81.4710

Conversions

Conversions Part 2

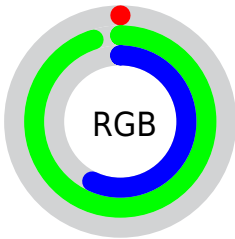
Format	Color
RYB	0, 151, 242
Decimal	62097
CIELab	84.77, -69.69, 33.55
CIELCh	85, 77.345, 154.295
Yxy	65.5486, 0.2635, 0.4685
Android (android.graphics.Color)	4278252177 (0xFF00F291)
YUV	158.5840, -6.6969, -139.0782
Hunter-Lab	80.9621, -60.4023, 29.2142

Details

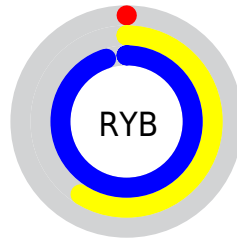
The Yxy color **65.5486, 0.2635, 0.4685** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **19.7579, 0.5408, 0.2754**, and the grayscale version is **34.6038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1349, 0.2655, 0.3974**, and **35.0713, 0.2719, 0.4988** is the 20% darker color. If you saturate the color by 10%, you get **65.5430, 0.2636, 0.4688**, and if you desaturate by 10%, it is **66.0632, 0.2610, 0.4533**.

Distribution



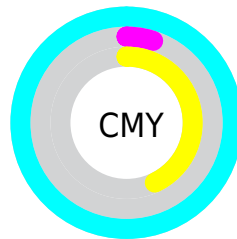
- Red (0%)
- Green (95%)
- Blue (57%)



- Red (0%)
- Yellow (59%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.5486, 0.2635, 0.4685 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 65.5486, 0.2635, 0.4685 by changing the saturation by 10% instead.


 65.5486, 0.2635,
0.4685

 65.5486, 0.2635,
0.4685


444.7608, 0.2895,
0.3973


 47.9061, 0.2567,
0.4865


 112.8382, 0.2732,
0.4424


 33.7525, 0.2478,
0.5095


 143.2541, 0.2768,
0.4327


 22.7035, 0.2358,
0.5401


 178.6965, 0.2798,
0.4245

 14.3747, 0.2187,
0.5821

 219.5499, 0.2823,
0.4174

 8.3818, 0.1933,
0.6426

 266.1986, 0.2845,
0.4114

 4.3402, 0.1540,
0.7373


319.0270, 0.2864,

 1.8656, 0.0000,

0.4061


1.0000


378.4196, 0.2880,
0.4014


 0.5276, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 65.5486, 0.2635,
0.4685


 65.5486, 0.2635,
0.4685

 65.5430, 0.2636,
0.4688

 66.0632, 0.2610,
0.4533

 66.8491, 0.2603,
0.4377

 67.9840, 0.2616,
0.4218

 69.5138, 0.2649,
0.4061

■ 71.4773, 0.2701,
0.3909

■ 73.9083, 0.2768,
0.3764

■ 76.8373, 0.2848,
0.3628

■ 80.2921, 0.2936,
0.3504

■ 84.2985, 0.3031,
0.3390

Harmonies

Analogous

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



65.5486, 0.3518, 0.5083



65.5486, 0.2635, 0.4685



65.5486, 0.1937, 0.3663

Triad

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



65.5486, 0.2635, 0.4685



65.5486, 0.1878, 0.1899



65.5486, 0.4960, 0.3457

Complementary

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



65.5486, 0.2635, 0.4685



19.7579, 0.5408, 0.2754

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.



65.5486, 0.4390, 0.2828



65.5486, 0.2635, 0.4685



65.5486, 0.2506, 0.1979

Square

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



65.5486, 0.2635, 0.4685



65.5486, 0.1575, 0.2109



65.5486, 0.3427, 0.2307



65.5486, 0.4906, 0.4129

Rectangle

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



65.5486, 0.2635, 0.4685



65.5486, 0.1662, 0.2974



65.5486, 0.3427, 0.2307



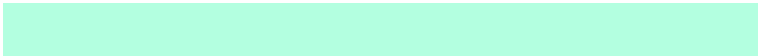
65.5486, 0.4836, 0.3241

Sweetspot

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



65.5512, 0.2635, 0.4685



86.4413, 0.2846, 0.3632



66.2768, 0.3250, 0.5801



18.1898, 0.2811, 0.3688



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



65.5512, 0.2635, 0.4685



73.8069, 0.2637, 0.4692



58.5869, 0.2173, 0.3023



17.8152, 0.3034, 0.3387



35.2381, 0.2629, 0.4663



2.9511, 0.2573, 0.4462

Inverse Universe

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



19.7579, 0.5408, 0.2754



22.2272, 0.5420, 0.2760



19.3987, 0.6349, 0.3339



15.8640, 0.3230, 0.3196



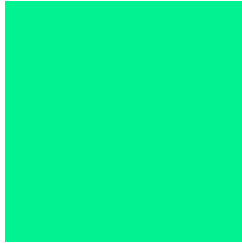
10.6317, 0.5371, 0.2732



0.9036, 0.5023, 0.2541

Previews

White Background



This preview shows how the Yxy color 65.5486, 0.2635, 0.4685 looks on a white background.

Color Contrast Check

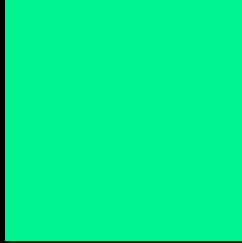
Large Text (above 18pt) WCAG AA × Fail

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 65.5486, 0.2635, 0.4685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

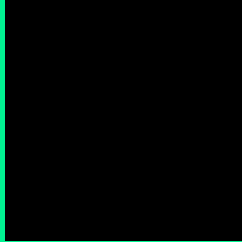
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.5486, 0.2635, 0.4685

Background



This preview shows how black text looks on a background with the Yxy color 65.5486, 0.2635, 0.4685.



This preview shows how white text looks on a background with the Yxy color 65.5486, 0.2635, 0.4685.

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

65.5486, 0.2635, 0.4685

Protanopia

64.2531, 0.3830, 0.4157

Deuteranopia

64.0963, 0.3864, 0.3781



Tritanopia

65.4456, 0.2307, 0.3065

Trichromacy



Original Color

65.5486, 0.2635, 0.4685



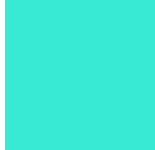
Protanomaly

60.0684, 0.3125, 0.4436



Deuteranomaly

58.6152, 0.3135, 0.4154



Tritanomaly

64.3895, 0.2392, 0.3597

Monochromacy



Original Color

65.5486, 0.2635, 0.4685



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

41.4950, 0.2724, 0.3845

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.5486, 0.2635, 0.4685 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, 242, 145)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 145)  
}
```

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, 242, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 145) }
```

Border

The CSS property to change the border of an element to Yxy 65.5486, 0.2635, 0.4685 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, 242, 145) }
```

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

```
.border{ border-color:rgb(0, 242, 145) }
```

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

Here you see how a box with a 4 pixel rgb(0, 242, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 145);  
box-shadow:4px 4px 4px 4px rgb(0, 242,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 65.5486, 0.2635, 0.4685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 242, 145) }
```

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

```
.background{ background-color: rgb(0, 242,  
145) }
```

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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