

Converting Colors

$Yxy(60.6977, 0.2331, 0.5002)$

Have a look what the booklet for
Yxy(60.6977, 0.2331, 0.5002)
contains.

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Color

Yxy(64.6040, 0.2682, 0.4855)

Conversions

Conversions Part 1

Format	Color
Hex	00F185
RGB	0, 241, 133
RGB Percent	0%, 95%, 52%
CMY	0.9998, 0.0549, 0.4785
CMYK	1.00, 0.00, 0.45, 0.05
HSL	153°, 100%, 47%
HSV	153°, 100%, 95%
XYZ	35.6886, 64.6040, 32.7744
YIQ	156.6290, -108.9680, -84.6800

Conversions

Conversions Part 2

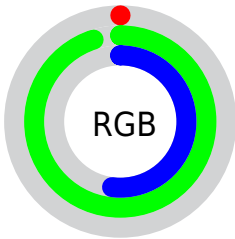
Format	Color
RYB	0, 155, 241
Decimal	61829
CIELab	84.28, -71.52, 38.86
CIELCh	84, 81.396, 151.484
Yxy	64.6040, 0.2682, 0.4855
Android (android.graphics.Color)	4278251909 (0xFF00F185)
YUV	156.6290, -11.6491, -137.3636
Hunter-Lab	80.3766, -61.4021, 32.0875

Details

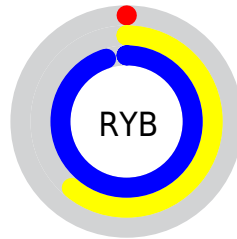
The Yxy color **64.6040, 0.2682, 0.4855** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **19.7870, 0.5216, 0.2647**, and the grayscale version is **33.6401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5526, 0.2714, 0.4147**, and **34.4611, 0.2776, 0.5194** is the 20% darker color. If you saturate the color by 10%, you get **64.6055, 0.2682, 0.4855**, and if you desaturate by 10%, it is **65.1165, 0.2653, 0.4688**.

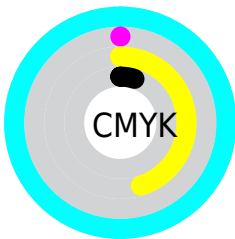
Distribution



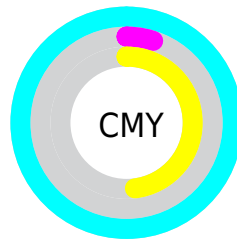
- Red (0%)
- Green (95%)
- Blue (52%)



- Red (0%)
- Yellow (61%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (45%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.6040, 0.2682, 0.4855 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 64.6040, 0.2682, 0.4855 by changing the saturation by 10% instead.

 64.6040, 0.2682,
0.4855


 64.6040, 0.2682,
0.4855


441.3676, 0.2928,
0.4051

 47.1400, 0.2614,
0.5059


 111.4803, 0.2776,
0.4560

 33.1464, 0.2525,
0.5320


 141.6615, 0.2810,
0.4449


 22.2386, 0.2401,
0.5666


 176.8506, 0.2838,
0.4357

 14.0323, 0.2221,
0.6139

 217.4319, 0.2862,
0.4277

 8.1432, 0.1946,
0.6809

 263.7898, 0.2882,
0.4209

 4.1867, 0.1554,
0.8043

316.3088, 0.2900,

 1.7785, 0.0000,

0.4149

1.0000

375.3733, 0.2915,
0.4097

■ 0.4737, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.6040, 0.2682,
0.4855

■ 64.6040, 0.2682,
0.4855


■ 64.6055, 0.2682,
0.4855

■ 65.1165, 0.2653,
0.4688


■ 65.9008, 0.2642,
0.4514


■ 67.0359, 0.2651,
0.4336

■ 68.5676, 0.2681,
0.4160

 70.5345, 0.2728,
0.3988

 72.9706, 0.2791,
0.3824

 75.9062, 0.2865,
0.3672

 79.3690, 0.2948,
0.3531

 83.3847, 0.3036,
0.3404

Harmonies

Analogous

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



64.6040, 0.3610, 0.5181



64.6040, 0.2682, 0.4855



64.6040, 0.1928, 0.3791

Triad

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



64.6040, 0.2682, 0.4855



64.6040, 0.1777, 0.1842



64.6040, 0.5032, 0.3387

Complementary

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



64.6040, 0.2682, 0.4855



19.7870, 0.5216, 0.2647

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.



64.6040, 0.4376, 0.2744



64.6040, 0.2682, 0.4855



64.6040, 0.2396, 0.1902

Square

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



64.6040, 0.2682, 0.4855



64.6040, 0.1495, 0.2087



64.6040, 0.3340, 0.2220



64.6040, 0.5023, 0.4082

Rectangle

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



64.6040, 0.2682, 0.4855



64.6040, 0.1622, 0.3041



64.6040, 0.3340, 0.2220



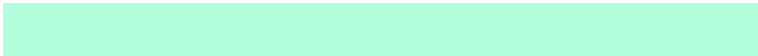
64.6040, 0.4882, 0.3165

Sweetspot

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



64.6066, 0.2682, 0.4855



86.2490, 0.2864, 0.3673



66.1317, 0.3289, 0.5770



18.1441, 0.2831, 0.3736



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.



64.6066, 0.2682, 0.4855



73.4337, 0.2683, 0.4860



62.3662, 0.2203, 0.3131



17.8024, 0.3041, 0.3398



35.0604, 0.2675, 0.4828



2.9367, 0.2613, 0.4607

Inverse Universe

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



19.7870, 0.5216, 0.2647



22.4821, 0.5224, 0.2651



18.9671, 0.6374, 0.3321



15.8766, 0.3223, 0.3185



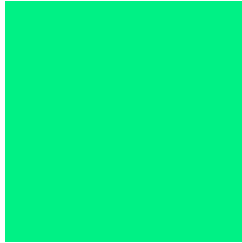
10.7549, 0.5177, 0.2626



0.9145, 0.4853, 0.2447

Previews

White Background



This preview shows how the Yxy color 64.6040, 0.2682, 0.4855 looks on a white background.

Color Contrast Check

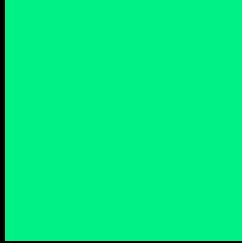
Large Text (above 18pt) WCAG AA × Fail

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 64.6040, 0.2682, 0.4855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

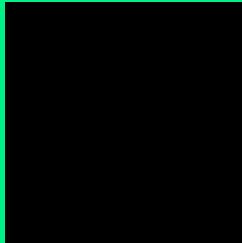
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.6040, 0.2682, 0.4855

Background



This preview shows how black text looks on a background with the Yxy color 64.6040, 0.2682, 0.4855.

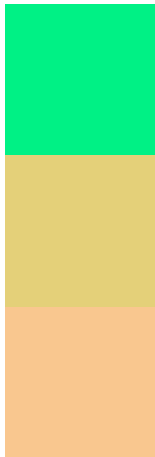


This preview shows how white text looks on a background with the Yxy color 64.6040, 0.2682, 0.4855.

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

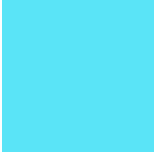
64.6040, 0.2682, 0.4855

Protanopia

62.9862, 0.3914, 0.4251

Deuteranopia

62.9698, 0.3974, 0.3883



Tritanopia

64.3759, 0.2311, 0.3051

Trichromacy



Original Color

64.6040, 0.2682, 0.4855



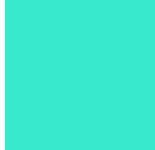
Protanomaly

58.6868, 0.3195, 0.4577



Deuteranomaly

57.2263, 0.3213, 0.4295



Tritanomaly

63.6039, 0.2411, 0.3655

Monochromacy



Original Color

64.6040, 0.2682, 0.4855



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

40.8139, 0.2754, 0.3932

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6040, 0.2682, 0.4855 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, 241, 133)` looks like.

```
.text, #text, p{  
    color:rgb(0, 241, 133)  
}
```

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, 241, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 241, 133) }
```

Border

The CSS property to change the border of an element to Yxy 64.6040, 0.2682, 0.4855 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, 241, 133) }
```

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

```
.border{ border-color:rgb(0, 241, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 241, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 241, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 241, 133);  
box-shadow:4px 4px 4px 4px rgb(0, 241,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6040, 0.2682, 0.4855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 241, 133) }
```

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

```
.background{ background-color: rgb(0, 241,  
133) }
```

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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