

Converting Colors

$Y_{xy}(65.5082, 0.2669, 0.4809)$

Have a look what the booklet for
Yxy(65.5082, 0.2669, 0.4809)
contains.

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Color

Yxy(65.3104, 0.2668, 0.4804)

Conversions

Conversions Part 1

Format	Color
Hex	00F289
RGB	0, 242, 137
RGB Percent	0%, 95%, 54%
CMY	0.9987, 0.0510, 0.4627
CMYK	1.00, 0.00, 0.43, 0.05
HSL	154°, 100%, 48%
HSV	154°, 100%, 95%
XYZ	36.2715, 65.3104, 34.3682
YIQ	157.6720, -110.5270, -83.9590

Conversions

Conversions Part 2

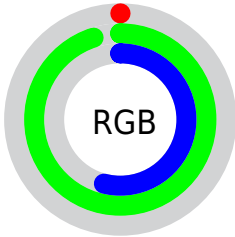
Format	Color
RYB	0, 155, 242
Decimal	62089
CIELab	84.64, -71.14, 37.35
CIELCh	85, 80.346, 152.299
Yxy	65.3104, 0.2668, 0.4804
Android (android.graphics.Color)	4278252169 (0xFF00F289)
YUV	157.6720, -10.1913, -138.2783
Hunter-Lab	80.8149, -61.3113, 31.3561

Details

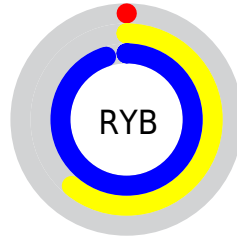
The Yxy color **65.3104, 0.2668, 0.4804** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **19.9109, 0.5272, 0.2679**, and the grayscale version is **34.1691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7263, 0.2696, 0.4093**, and **34.9369, 0.2759, 0.5133** is the 20% darker color. If you saturate the color by 10%, you get **65.3067, 0.2668, 0.4806**, and if you desaturate by 10%, it is **65.8283, 0.2640, 0.4641**.

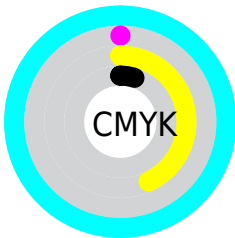
Distribution



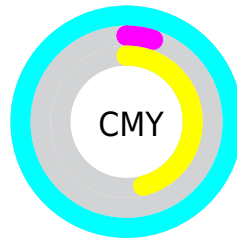
- Red (0%)
- Green (95%)
- Blue (54%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (43%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.3104, 0.2668, 0.4804 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 65.3104, 0.2668, 0.4804 by changing the saturation by 10% instead.


 65.3104, 0.2668,
0.4804


 65.3104, 0.2668,
0.4804


443.9066, 0.2918,
0.4028


 47.7128, 0.2600,
0.5000


 112.4960, 0.2763,
0.4519


 33.5995, 0.2511,
0.5252


 142.8528, 0.2797,
0.4413


 22.5861, 0.2389,
0.5584


 178.2315, 0.2826,
0.4324

 14.2882, 0.2214,
0.6040

 219.0164, 0.2850,
0.4247

 8.3214, 0.1947,
0.6688

 265.5920, 0.2871,
0.4181

 4.3013, 0.1553,
0.7796


318.3426, 0.2889,

 1.8435, 0.0000,


0.4124


1.0000


377.6527, 0.2904,
0.4073

 0.5141, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 65.3104, 0.2668,
0.4804


 65.3104, 0.2668,
0.4804


 65.3067, 0.2668,
0.4806

 65.8283, 0.2640,
0.4641


 66.6207, 0.2630,
0.4472


 67.7661, 0.2641,
0.4300


 69.3105, 0.2671,
0.4129

 71.2929, 0.2720,
0.3963

 73.7473, 0.2784,
0.3805

 76.7043, 0.2860,
0.3658

 80.1919, 0.2945,
0.3522

 84.2359, 0.3035,
0.3399

Harmonies

Analogous

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



65.3104, 0.3583, 0.5153



65.3104, 0.2668, 0.4804



65.3104, 0.1930, 0.3752

Triad

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



65.3104, 0.2668, 0.4804



65.3104, 0.1807, 0.1859



65.3104, 0.5011, 0.3408

Complementary

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



65.3104, 0.2668, 0.4804



19.9109, 0.5272, 0.2679

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.



65.3104, 0.4380, 0.2769



65.3104, 0.2668, 0.4804



65.3104, 0.2429, 0.1925

Square

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



65.3104, 0.2668, 0.4804



65.3104, 0.1519, 0.2093



65.3104, 0.3366, 0.2246



65.3104, 0.4988, 0.4096

Rectangle

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



65.3104, 0.2668, 0.4804



65.3104, 0.1634, 0.3021



65.3104, 0.3366, 0.2246



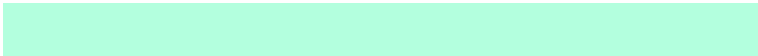
65.3104, 0.4869, 0.3187

Sweetspot

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



65.3130, 0.2668, 0.4804



86.3057, 0.2859, 0.3661



66.7614, 0.3290, 0.5769



18.1576, 0.2825, 0.3722



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.



65.3130, 0.2668, 0.4804



73.5406, 0.2670, 0.4811



62.9602, 0.2203, 0.3131



17.8062, 0.3039, 0.3395



35.1113, 0.2661, 0.4780



2.9409, 0.2601, 0.4564

Inverse Universe

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



19.9109, 0.5272, 0.2679



22.4027, 0.5283, 0.2684



19.1512, 0.6373, 0.3320



15.8729, 0.3225, 0.3188



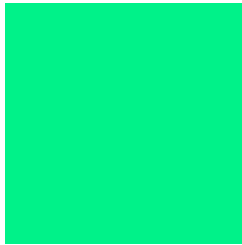
10.7166, 0.5235, 0.2658



0.9111, 0.4903, 0.2475

Previews

White Background



This preview shows how the Yxy color 65.3104, 0.2668, 0.4804 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 65.3104, 0.2668, 0.4804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

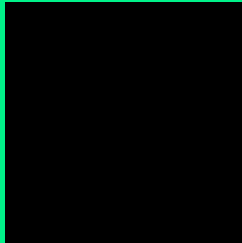
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.3104, 0.2668, 0.4804

Background



This preview shows how black text looks on a background with the Yxy color 65.3104, 0.2668, 0.4804.

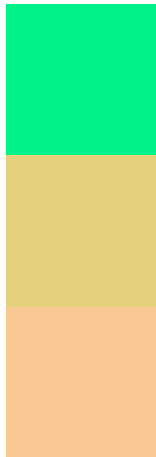


This preview shows how white text looks on a background with the Yxy color 65.3104, 0.2668, 0.4804.

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

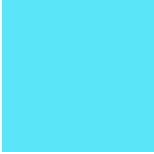
65.3104, 0.2668, 0.4804

Protanopia

63.7396, 0.3891, 0.4217

Deuteranopia

63.5549, 0.3939, 0.3852



Tritanopia

64.9896, 0.2310, 0.3052

Trichromacy



Original Color

65.3104, 0.2668, 0.4804



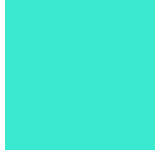
Protanomaly

59.4089, 0.3178, 0.4531



Deuteranomaly

57.9550, 0.3194, 0.4249



Tritanomaly

64.2696, 0.2406, 0.3639

Monochromacy



Original Color

65.3104, 0.2668, 0.4804



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

41.3639, 0.2749, 0.3912

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.3104, 0.2668, 0.4804 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, 137)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 137)  
}
```

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, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 137) }
```

Border

The CSS property to change the border of an element to Yxy 65.3104, 0.2668, 0.4804 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, 137) }
```

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

```
.border{ border-color:rgb(0, 242, 137) }
```

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, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 137);  
box-shadow:4px 4px 4px 4px rgb(0, 242,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 65.3104, 0.2668, 0.4804 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, 137) }
```

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

```
.background{ background-color: rgb(0, 242,  
137) }
```

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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