

Converting Colors

$Y_{xy}(65.3118, 0.2690, 0.4884)$

Have a look what the booklet for
Yxy(65.3118, 0.2690, 0.4884)
contains.

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Color

Yxy(65.1702, 0.2688, 0.4878)

Conversions

Conversions Part 1

Format	Color
Hex	00F284
RGB	0, 242, 132
RGB Percent	0%, 95%, 52%
CMY	1.0000, 0.0509, 0.4823
CMYK	1.00, 0.00, 0.45, 0.05
HSL	153°, 100%, 47%
HSV	153°, 100%, 95%
XYZ	35.9117, 65.1702, 32.5183
YIQ	157.1020, -108.9220, -85.5140

Conversions

Conversions Part 2

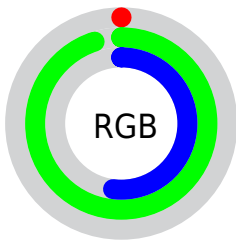
Format	Color
RYB	0, 157, 242
Decimal	62084
CIELab	84.57, -72.03, 39.71
CIELCh	85, 82.252, 151.130
Yxy	65.1702, 0.2688, 0.4878
Android (android.graphics.Color)	4278252164 (0xFF00F284)
YUV	157.1020, -12.3753, -137.7785
Hunter-Lab	80.7281, -61.8687, 32.6269

Details

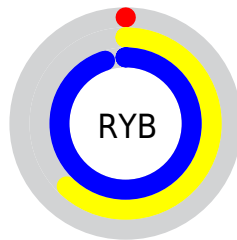
The Yxy color **65.1702, 0.2688, 0.4878** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **20.0049, 0.5191, 0.2633**, and the grayscale version is **33.8618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5099, 0.2719, 0.4160**, and **34.8602, 0.2783, 0.5220** is the 20% darker color. If you saturate the color by 10%, you get **65.1766, 0.2688, 0.4878**, and if you desaturate by 10%, it is **65.6905, 0.2659, 0.4709**.

Distribution



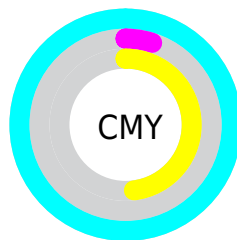
- Red (0%)
- Green (95%)
- Blue (52%)



- Red (0%)
- Yellow (62%)
- 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 65.1702, 0.2688, 0.4878 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 65.1702, 0.2688, 0.4878 by changing the saturation by 10% instead.


 65.1702, 0.2688,
0.4878


 65.1702, 0.2688,
0.4878


443.4033, 0.2932,
0.4062


 47.5991, 0.2621,
0.5084

 112.2945, 0.2782,
0.4579

 33.5095, 0.2531,
0.5348


 142.6165, 0.2815,
0.4467

 22.5171, 0.2407,
0.5697


 177.9576, 0.2843,
0.4373

 14.2373, 0.2228,
0.6173

 218.7022, 0.2867,
0.4293

 8.2859, 0.1953,
0.6844

 265.2347, 0.2887,
0.4223

 4.2784, 0.1563,
0.8086

317.9394, 0.2904,

 1.8305, 0.0000,

0.4163

1.0000

377.2009, 0.2919,
0.4110

■ 0.5061, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.1702, 0.2688,
0.4878

■ 65.1702, 0.2688,
0.4878

■ 65.1766, 0.2688,
0.4878

■ 65.6905, 0.2659,
0.4709

■ 66.4820, 0.2647,
0.4533

■ 67.6284, 0.2656,
0.4353

■ 69.1760, 0.2685,
0.4173

■ 71.1640, 0.2731,
0.3999

■ 73.6265, 0.2793,
0.3833

■ 76.5945, 0.2867,
0.3678

■ 80.0958, 0.2949,
0.3535

■ 84.1565, 0.3037,
0.3406

Harmonies

Analogous

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



65.1702, 0.3622, 0.5194



65.1702, 0.2688, 0.4878



65.1702, 0.1926, 0.3809

Triad

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



65.1702, 0.2688, 0.4878



65.1702, 0.1764, 0.1835



65.1702, 0.5042, 0.3377

Complementary

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



65.1702, 0.2688, 0.4878



20.0049, 0.5191, 0.2633

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.



65.1702, 0.4374, 0.2733



65.1702, 0.2688, 0.4878



65.1702, 0.2381, 0.1892

Square

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



65.1702, 0.2688, 0.4878



65.1702, 0.1484, 0.2083



65.1702, 0.3328, 0.2208



65.1702, 0.5038, 0.4075

Rectangle

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



65.1702, 0.2688, 0.4878



65.1702, 0.1616, 0.3050



65.1702, 0.3328, 0.2208



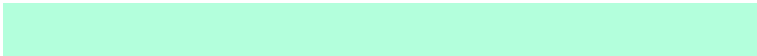
65.1702, 0.4889, 0.3155

Sweetspot

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



65.1766, 0.2688, 0.4878



86.2236, 0.2866, 0.3679



67.0170, 0.3310, 0.5754



18.1381, 0.2834, 0.3743



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.



65.1766, 0.2688, 0.4878



73.3868, 0.2690, 0.4882



65.2248, 0.2218, 0.3184



17.8007, 0.3042, 0.3399



35.0380, 0.2681, 0.4850



2.9349, 0.2618, 0.4626

Inverse Universe

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



20.0049, 0.5191, 0.2633



22.5188, 0.5197, 0.2637



19.0542, 0.6383, 0.3313



15.8783, 0.3222, 0.3183



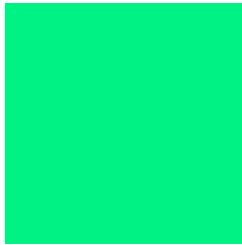
10.7726, 0.5151, 0.2611



0.9160, 0.4830, 0.2434

Previews

White Background



This preview shows how the Yxy color 65.1702, 0.2688, 0.4878 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 65.1702, 0.2688, 0.4878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

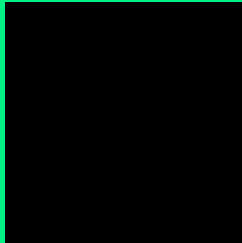
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.1702, 0.2688, 0.4878

Background



This preview shows how black text looks on a background with the Yxy color 65.1702, 0.2688, 0.4878.



This preview shows how white text looks on a background with the Yxy color 65.1702, 0.2688, 0.4878.

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

65.1702, 0.2688, 0.4878

Protanopia

63.6150, 0.3924, 0.4267

Deuteranopia

63.5855, 0.3986, 0.3901



Tritanopia

64.9782, 0.2317, 0.3064

Trichromacy



Original Color

65.1702, 0.2688, 0.4878



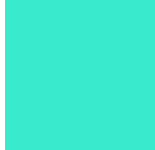
Protanomaly

59.2791, 0.3206, 0.4597



Deuteranomaly

57.8068, 0.3225, 0.4317



Tritanomaly

64.1530, 0.2421, 0.3682

Monochromacy



Original Color

65.1702, 0.2688, 0.4878



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 65.1702, 0.2688, 0.4878 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, 132)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 132)  
}
```

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, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 132) }
```

Border

The CSS property to change the border of an element to Yxy 65.1702, 0.2688, 0.4878 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, 132) }
```

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

```
.border{ border-color:rgb(0, 242, 132) }
```

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, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 132);  
box-shadow:4px 4px 4px 4px rgb(0, 242,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 65.1702, 0.2688, 0.4878 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, 132) }
```

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

```
.background{ background-color: rgb(0, 242,  
132) }
```

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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