

Converting Colors

$Yxy(67.9871, 0.2649, 0.4752)$

Have a look what the booklet for
Yxy(67.9871, 0.2649, 0.4752)
contains.

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Color

Yxy(67.8947, 0.2653, 0.4751)

Conversions

Conversions Part 1

Format	Color
Hex	00F68F
RGB	0, 246, 143
RGB Percent	0%, 96%, 56%
CMY	1.0000, 0.0353, 0.4392
CMYK	1.00, 0.00, 0.42, 0.04
HSL	155°, 100%, 48%
HSV	155°, 100%, 96%
XYZ	37.9130, 67.8947, 37.0984
YIQ	160.7040, -113.5530, -84.1850

Conversions

Conversions Part 2

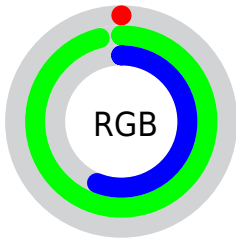
Format	Color
RYB	0, 156, 246
Decimal	63119
CIELab	85.95, -71.39, 36.09
CIELCh	86, 80.000, 153.181
Yxy	67.8947, 0.2653, 0.4751
Android (android.graphics.Color)	4278253199 (0xFF00F68F)
YUV	160.7040, -8.7281, -140.9374
Hunter-Lab	82.3982, -62.0657, 30.9844

Details

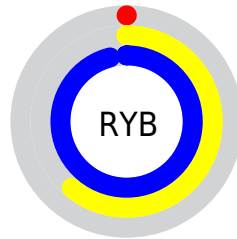
The Yxy color **67.8947, 0.2653, 0.4751** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **20.5728, 0.5344, 0.2718**, and the grayscale version is **35.5788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1079, 0.2668, 0.4000**, and **36.7218, 0.2740, 0.5063** is the 20% darker color. If you saturate the color by 10%, you get **67.8983, 0.2653, 0.4751**, and if you desaturate by 10%, it is **68.4266, 0.2626, 0.4593**.

Distribution



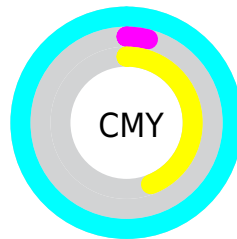
- Red (0%)
- Green (96%)
- Blue (56%)



- Red (0%)
- Yellow (61%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (4%)




- Cyan (100%)
- Magenta (4%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.8947, 0.2653, 0.4751 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 67.8947, 0.2653, 0.4751 by changing the saturation by 10% instead.


 67.8947, 0.2653,
0.4751


 67.8947, 0.2653,
0.4751

453.1228, 0.2906,
0.4008


 49.8121, 0.2586,
0.4937


 116.2015, 0.2748,
0.4480


 35.2641, 0.2499,
0.5175


 147.1944, 0.2783,
0.4378

 23.8664, 0.2380,
0.5489


 183.2596, 0.2812,
0.4292

 15.2345, 0.2212,
0.5918

 224.7814, 0.2836,
0.4219

 8.9842, 0.1961,
0.6527

 272.1443, 0.2858,
0.4155

 4.7308, 0.1574,
0.7471


325.7325, 0.2876,

 2.0902, 0.0000,


0.4100


1.0000


385.9306, 0.2892,
0.4051


 0.6591, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 67.8947, 0.2653,
0.4751


 67.8947, 0.2653,
0.4751

 67.8983, 0.2653,
0.4751

 68.4266, 0.2626,
0.4593

 69.2390, 0.2617,
0.4430

 70.4152, 0.2628,
0.4265

 72.0033, 0.2660,
0.4100

■ 74.0438, 0.2710,
0.3940

■ 76.5722, 0.2775,
0.3788

■ 79.6202, 0.2853,
0.3646

■ 83.2171, 0.2939,
0.3515

■ 87.3895, 0.3032,
0.3397

Harmonies

Analogous

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



67.8947, 0.3554, 0.5123



67.8947, 0.2653, 0.4751



67.8947, 0.1933, 0.3712

Triad

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



67.8947, 0.2653, 0.4751



67.8947, 0.1838, 0.1876



67.8947, 0.4989, 0.3430

Complementary

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



67.8947, 0.2653, 0.4751



20.5728, 0.5344, 0.2718

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.



67.8947, 0.4385, 0.2796



67.8947, 0.2653, 0.4751



67.8947, 0.2463, 0.1949

Square

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



67.8947, 0.2653, 0.4751



67.8947, 0.1543, 0.2100



67.8947, 0.3394, 0.2273



67.8947, 0.4951, 0.4111

Rectangle

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



67.8947, 0.2653, 0.4751



67.8947, 0.1646, 0.3000



67.8947, 0.3394, 0.2273



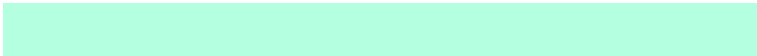
67.8947, 0.4855, 0.3211

Sweetspot

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



67.8983, 0.2653, 0.4751



86.3705, 0.2852, 0.3647



69.0159, 0.3268, 0.5787



18.1729, 0.2818, 0.3706



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.



67.8983, 0.2653, 0.4751



73.6659, 0.2654, 0.4754



63.0280, 0.2188, 0.3077



18.6336, 0.3037, 0.3391



36.2684, 0.2646, 0.4725



3.2081, 0.2591, 0.4527

Inverse Universe

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



20.5728, 0.5344, 0.2718



22.3164, 0.5349, 0.2720



19.9763, 0.6365, 0.3328



16.5976, 0.3228, 0.3191



11.0070, 0.5303, 0.2695



0.9874, 0.4980, 0.2517

Previews

White Background



This preview shows how the Yxy color 67.8947, 0.2653, 0.4751 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 67.8947, 0.2653, 0.4751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

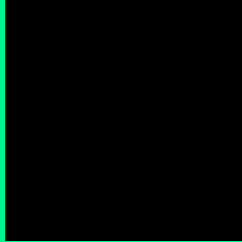
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.8947, 0.2653, 0.4751

Background



This preview shows how black text looks on a background with the Yxy color 67.8947, 0.2653, 0.4751.



This preview shows how white text looks on a background with the Yxy color 67.8947, 0.2653, 0.4751.

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

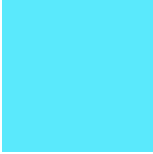
67.8947, 0.2653, 0.4751

Protanopia

66.5238, 0.3871, 0.4192

Deuteranopia

66.3683, 0.3909, 0.3823



Tritanopia

67.4798, 0.2306, 0.3056

Trichromacy



Original Color

67.8947, 0.2653, 0.4751



Protanomaly

61.8956, 0.3153, 0.4486



Deuteranomaly

60.4100, 0.3166, 0.4208



Tritanomaly

66.7724, 0.2402, 0.3634

Monochromacy



Original Color

67.8947, 0.2653, 0.4751



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

42.8571, 0.2735, 0.3886

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8947, 0.2653, 0.4751 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, 246, 143)` looks like.

```
.text, #text, p{  
    color:rgb(0, 246, 143)  
}
```

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, 246, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 246, 143) }
```

Border

The CSS property to change the border of an element to Yxy 67.8947, 0.2653, 0.4751 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, 246, 143) }
```

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

```
.border{ border-color:rgb(0, 246, 143) }
```

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

Here you see how a box with a 4 pixel rgb(0, 246, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 246, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 246, 143);  
box-shadow:4px 4px 4px 4px rgb(0, 246,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8947, 0.2653, 0.4751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 246, 143) }
```

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

```
.background{ background-color: rgb(0, 246,  
143) }
```

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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