

Converting Colors

$Y_{xy}(69.1076, 0.2690, 0.4837)$

Have a look what the booklet for
Yxy(69.1076, 0.2690, 0.4837)
contains.

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Color

Yxy(69.1185, 0.2690, 0.4836)

Conversions

Conversions Part 1

Format	Color
Hex	14F88A
RGB	20, 248, 138
RGB Percent	8%, 97%, 54%
CMY	0.9206, 0.0274, 0.4588
CMYK	0.92, 0.00, 0.44, 0.03
HSL	151°, 94%, 53%
HSV	151°, 92%, 97%
XYZ	38.4468, 69.1185, 35.3596
YIQ	167.2880, -100.5780, -82.5460

Conversions

Conversions Part 2

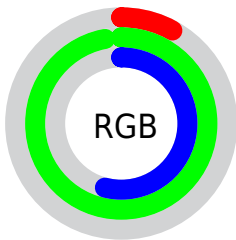
Format	Color
R _Y B	20, 170, 248
Decimal	1374346
CIE Lab	86.56, -72.30, 39.36
CIE LCh	87, 82.320, 151.436
Yxy	69.1185, 0.2690, 0.4836
Android (android.graphics.Color)	4279564426 (0xFF14F88A)
YUV	167.2880, -14.4390, -129.1716
Hunter-Lab	83.1375, -62.9437, 32.9794

Details

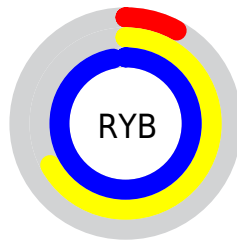
The Yxy color **69.1185, 0.2690, 0.4836** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **22.0834, 0.4871, 0.2501**, and the grayscale version is **38.9369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1522, 0.2706, 0.4063**, and **37.4988, 0.2769, 0.5167** is the 20% darker color. If you saturate the color by 10%, you get **68.6995, 0.2717, 0.4980**, and if you desaturate by 10%, it is **69.8951, 0.2672, 0.4651**.

Distribution



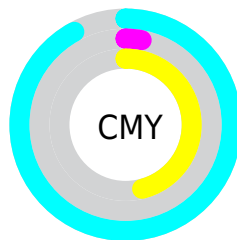
- Red (8%)
- Green (97%)
- Blue (54%)



- Red (8%)
- Yellow (67%)
- Blue (97%)



- Cyan (92%)
- Magenta (0%)
- Yellow (44%)
- Black (3%)





- Cyan (92%)
- Magenta (3%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.1185, 0.2690, 0.4836 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 69.1185, 0.2690, 0.4836 by changing the saturation by 10% instead.


 69.1185, 0.2690,
0.4836


 69.1185, 0.2690,
0.4836

457.4488, 0.2929,
0.4051

 50.8082, 0.2625,
0.5032


 117.9508, 0.2781,
0.4550

 36.0560, 0.2540,
0.5282


 149.2416, 0.2814,
0.4442


 24.4775, 0.2423,
0.5610


 185.6281, 0.2841,
0.4352

 15.6882, 0.2256,
0.6055

 227.4946, 0.2864,
0.4274

 9.3038, 0.2004,
0.6680

 275.2255, 0.2884,
0.4207

 4.9398, 0.1623,
0.7677


329.2053, 0.2901,

 2.2120, 0.0000,


0.4148


1.0000


389.8182, 0.2916,
0.4096


 0.7265, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 69.1185, 0.2690,
0.4836


 69.1185, 0.2690,
0.4836


 68.6995, 0.2717,
0.4980


 69.8951, 0.2672,
0.4651

 71.0382, 0.2675,
0.4460

 72.6021, 0.2698,
0.4268


 74.6296, 0.2739,
0.4081

 77.1580, 0.2795,
0.3901

 80.2209, 0.2864,
0.3733

 83.8487, 0.2942,
0.3578

 88.0696, 0.3025,
0.3438

 92.9096, 0.3111,
0.3312

Harmonies

Analogous

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



69.1185, 0.3610, 0.5160



69.1185, 0.2690, 0.4836



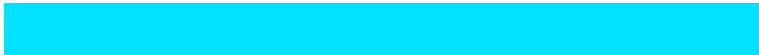
69.1185, 0.1941, 0.3788

Triad

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



69.1185, 0.2690, 0.4836



69.1185, 0.1788, 0.1855



69.1185, 0.5011, 0.3388

Complementary

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



69.1185, 0.2690, 0.4836



22.0834, 0.4871, 0.2501

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.



69.1185, 0.4361, 0.2749



69.1185, 0.2690, 0.4836



69.1185, 0.2402, 0.1914

Square

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



69.1185, 0.2690, 0.4836



69.1185, 0.1508, 0.2099



69.1185, 0.3337, 0.2229



69.1185, 0.5006, 0.4077

Rectangle

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



69.1185, 0.2690, 0.4836



69.1185, 0.1636, 0.3047



69.1185, 0.3337, 0.2229



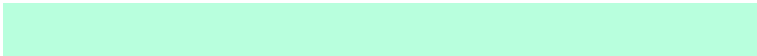
69.1185, 0.4862, 0.3167

Sweetspot

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



69.1213, 0.2690, 0.4836



86.8558, 0.2893, 0.3673



71.9578, 0.3376, 0.5657



18.2524, 0.2860, 0.3741



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.



69.1213, 0.2690, 0.4836



73.1818, 0.2717, 0.4982



71.7529, 0.2242, 0.3240



19.4591, 0.3045, 0.3407



37.1399, 0.2709, 0.4952



3.4612, 0.2650, 0.4739

Inverse Universe

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



22.0834, 0.4871, 0.2501



22.6939, 0.5075, 0.2569



20.6626, 0.6274, 0.3310



17.3649, 0.3218, 0.3176



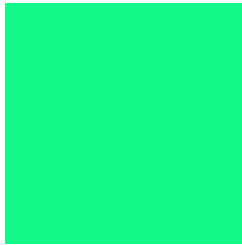
11.5381, 0.5035, 0.2547



1.0899, 0.4759, 0.2395

Previews

White Background



This preview shows how the Yxy color 69.1185, 0.2690, 0.4836 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 69.1185, 0.2690, 0.4836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

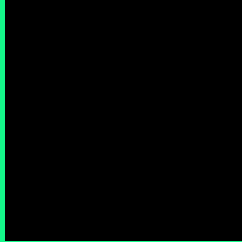
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.1185, 0.2690, 0.4836

Background



This preview shows how black text looks on a background with the Yxy color 69.1185, 0.2690, 0.4836.

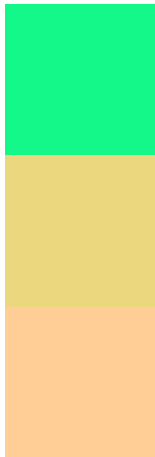


This preview shows how white text looks on a background with the Yxy color 69.1185, 0.2690, 0.4836.

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

69.1185, 0.2690, 0.4836

Protanopia

67.7437, 0.3911, 0.4255

Deuteranopia

67.6046, 0.3939, 0.3870



Tritanopia

68.9521, 0.2316, 0.3058

Trichromacy



Original Color

69.1185, 0.2690, 0.4836



Protanomaly

63.7180, 0.3240, 0.4547



Deuteranomaly

62.3343, 0.3247, 0.4250



Tritanomaly

68.2669, 0.2429, 0.3657

Monochromacy



Original Color

69.1185, 0.2690, 0.4836



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

45.4576, 0.2802, 0.3897

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.1185, 0.2690, 0.4836 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(20, 248, 138)` looks like.

```
.text, #text, p{  
    color:rgb(20, 248, 138)  
}
```

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(20, 248, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 248, 138) }
```

Border

The CSS property to change the border of an element to Yxy 69.1185, 0.2690, 0.4836 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(20, 248, 138) }
```

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

```
.border{ border-color:rgb(20, 248, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 248, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 248, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 248, 138);  
box-shadow:4px 4px 4px 4px rgb(20, 248,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 69.1185, 0.2690, 0.4836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 248, 138) }
```

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

```
.background{ background-color: rgb(20, 248,  
138) }
```

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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