

Converting Colors

$Y_{xy}(70.5703, 0.2711, 0.4926)$

Have a look what the booklet for
Yxy(70.5703, 0.2711, 0.4926)
contains.

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Color

Yxy(70.7980, 0.2713, 0.4932)

Conversions

Conversions Part 1

Format	Color
Hex	10FB85
RGB	16, 251, 133
RGB Percent	6%, 98%, 52%
CMY	0.9373, 0.0157, 0.4784
CMYK	0.94, 0.00, 0.47, 0.02
HSL	150°, 97%, 52%
HSV	150°, 94%, 98%
XYZ	38.9446, 70.7980, 33.8056
YIQ	167.2830, -102.1820, -86.5180

Conversions

Conversions Part 2

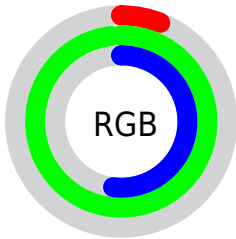
Format	Color
RYB	16, 173, 251
Decimal	1112965
CIELab	87.39, -74.26, 42.83
CIELCh	87, 85.727, 150.029
Yxy	70.7980, 0.2713, 0.4932
Android (android.graphics.Color)	4279303045 (0xFF10FB85)
YUV	167.2830, -16.9015, -132.6752
Hunter-Lab	84.1415, -64.6296, 35.0781

Details

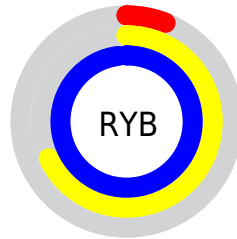
The Yxy color **70.7980, 0.2713, 0.4932** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **22.6012, 0.4841, 0.2471**, and the grayscale version is **38.9106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9327, 0.2729, 0.4129**, and **38.7340, 0.2798, 0.5272** is the 20% darker color. If you saturate the color by 10%, you get **70.4772, 0.2735, 0.5046**, and if you desaturate by 10%, it is **71.5336, 0.2690, 0.4743**.

Distribution



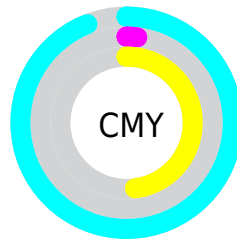
- Red (6%)
- Green (98%)
- Blue (52%)



- Red (6%)
- Yellow (68%)
- Blue (98%)



- Cyan (94%)
- Magenta (0%)
- Yellow (47%)
- Black (2%)





- Cyan (94%)
- Magenta (2%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.7980, 0.2713, 0.4932 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 70.7980, 0.2713, 0.4932 by changing the saturation by 10% instead.


 70.7980, 0.2713,
0.4932

 70.7980, 0.2713,
0.4932

463.3470, 0.2945,
0.4100


 52.1774, 0.2649,
0.5138


 120.3461, 0.2802,
0.4629


 37.1465, 0.2564,
0.5401


 152.0423, 0.2834,
0.4516

 25.3209, 0.2446,
0.5743


 188.8658, 0.2861,
0.4419

 16.3163, 0.2277,
0.6204

 231.2010, 0.2883,
0.4337

 9.7483, 0.2020,
0.6841

 279.4324, 0.2902,
0.4266

 5.2324, 0.1644,
0.7893


333.9442, 0.2919,

 2.3842, 0.0069,


0.4203


0.9931


395.1210, 0.2933,
0.4148


 0.8178, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 70.7980, 0.2713,
0.4932


 70.7980, 0.2713,
0.4932

 70.4772, 0.2735,
0.5046


 71.5336, 0.2690,
0.4743

 72.6380, 0.2688,
0.4546


 74.1694, 0.2706,
0.4346


 76.1735, 0.2742,
0.4149

 78.6897, 0.2795,
0.3960

 81.7533, 0.2859,
0.3782

 85.3963, 0.2933,
0.3618

 89.6482, 0.3013,
0.3469

 94.5363, 0.3097,
0.3335

Harmonies

Analogous

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



70.7980, 0.3658, 0.5214



70.7980, 0.2713, 0.4932



70.7980, 0.1933, 0.3861

Triad

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



70.7980, 0.2713, 0.4932



70.7980, 0.1733, 0.1822



70.7980, 0.5054, 0.3349

Complementary

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



70.7980, 0.2713, 0.4932



22.6012, 0.4841, 0.2471

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.



70.7980, 0.4356, 0.2703



70.7980, 0.2713, 0.4932



70.7980, 0.2342, 0.1871

Square

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



70.7980, 0.2713, 0.4932



70.7980, 0.1463, 0.2084



70.7980, 0.3291, 0.2180



70.7980, 0.5072, 0.4052

Rectangle

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



70.7980, 0.2713, 0.4932



70.7980, 0.1612, 0.3084



70.7980, 0.3291, 0.2180



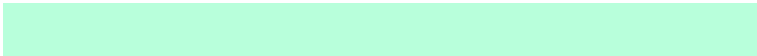
70.7980, 0.4891, 0.3126

Sweetspot

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



70.8009, 0.2713, 0.4932



86.7835, 0.2900, 0.3688



74.3879, 0.3411, 0.5642



18.2351, 0.2869, 0.3760



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.



70.8009, 0.2713, 0.4932



73.0515, 0.2735, 0.5048



75.8279, 0.2266, 0.3336



19.4534, 0.3048, 0.3412



37.0737, 0.2727, 0.5017



3.4551, 0.2666, 0.4798

Inverse Universe

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



22.6012, 0.4841, 0.2471



22.8193, 0.4992, 0.2524



20.9306, 0.6303, 0.3290



17.3706, 0.3215, 0.3172



11.6020, 0.4954, 0.2502



1.0960, 0.4689, 0.2357

Previews

White Background



This preview shows how the Yxy color 70.7980, 0.2713, 0.4932 looks on a white background.

Color Contrast Check

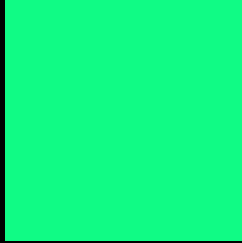
Large Text (above 18pt) WCAG AA × Fail

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 70.7980, 0.2713, 0.4932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

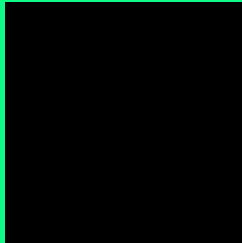
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.7980, 0.2713, 0.4932

Background



This preview shows how black text looks on a background with the Yxy color 70.7980, 0.2713, 0.4932.

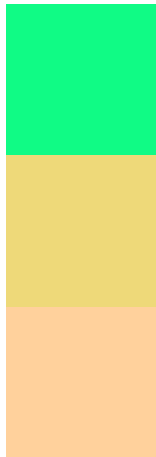


This preview shows how white text looks on a background with the Yxy color 70.7980, 0.2713, 0.4932.

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

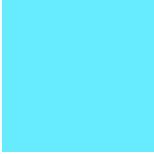
70.7980, 0.2713, 0.4932

Protanopia

69.1833, 0.3950, 0.4302

Deuteranopia

69.2612, 0.3882, 0.3839



Tritanopia

70.0945, 0.2342, 0.3060

Trichromacy



Original Color

70.7980, 0.2713, 0.4932



Protanomaly

64.6874, 0.3264, 0.4627



Deuteranomaly

63.7743, 0.3216, 0.4260



Tritanomaly

68.9533, 0.2446, 0.3682

Monochromacy



Original Color

70.7980, 0.2713, 0.4932



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

46.1995, 0.2798, 0.3942

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7980, 0.2713, 0.4932 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(16, 251, 133)` looks like.

```
.text, #text, p{  
    color:rgb(16, 251, 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(16, 251, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 251, 133) }
```

Border

The CSS property to change the border of an element to Yxy 70.7980, 0.2713, 0.4932 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(16, 251, 133) }
```

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

```
.border{ border-color:rgb(16, 251, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 251, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 251, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 251, 133);  
box-shadow:4px 4px 4px 4px rgb(16, 251,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7980, 0.2713, 0.4932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 251, 133) }
```

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

```
.background{ background-color: rgb(16, 251,  
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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