

Converting Colors

$Y_{xy}(70.1523, 0.2832, 0.5395)$

Have a look what the booklet for
Yxy(70.1523, 0.2832, 0.5395)
contains.

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Color

Yxy(69.8762, 0.2830, 0.5388)

Conversions

Conversions Part 1

Format	Color
Hex	00FB62
RGB	0, 251, 98
RGB Percent	0%, 98%, 38%
CMY	1.0000, 0.0157, 0.6156
CMYK	1.00, 0.00, 0.61, 0.02
HSL	143°, 100%, 49%
HSV	143°, 100%, 98%
XYZ	36.7019, 69.8762, 23.1105
YIQ	158.5090, -100.4830, -100.7950

Conversions

Conversions Part 2

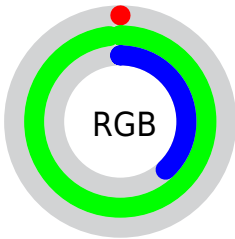
Format	Color
RYB	0, 181, 251
Decimal	64354
CIELab	86.94, -79.59, 58.17
CIELCh	87, 98.585, 143.836
Yxy	69.8762, 0.2830, 0.5388
Android (android.graphics.Color)	4278254434 (0xFF00FB62)
YUV	158.5090, -29.8309, -139.0124
Hunter-Lab	83.5920, -67.9138, 42.1226

Details

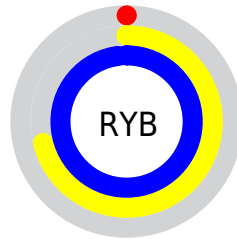
The Yxy color **69.8762, 0.2830, 0.5388** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **22.8097, 0.4532, 0.2270**, and the grayscale version is **34.6099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5329, 0.2886, 0.4594**, and **38.3000, 0.2940, 0.5782** is the 20% darker color. If you saturate the color by 10%, you get **69.8792, 0.2830, 0.5388**, and if you desaturate by 10%, it is **70.4043, 0.2795, 0.5192**.

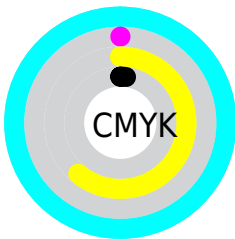
Distribution



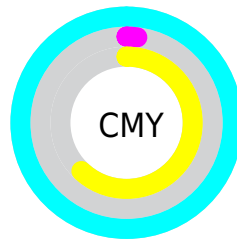
- Red (0%)
- Green (98%)
- Blue (38%)



- Red (0%)
- Yellow (71%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (61%)
- Black (2%)




- Cyan (100%)
- Magenta (2%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.8762, 0.2830, 0.5388 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 69.8762, 0.2830, 0.5388 by changing the saturation by 10% instead.

 69.8762, 0.2830,
0.5388

 69.8762, 0.2830,
0.5388

460.1152, 0.3037,
0.4321


 51.4256, 0.2762,
0.5648


 119.0322, 0.2918,
0.5002


 36.5474, 0.2668,
0.5975

 150.5064, 0.2947,
0.4856


 24.8573, 0.2530,
0.6390


 187.0906, 0.2970,
0.4732

 15.9708, 0.2322,
0.6925

 229.1691, 0.2989,
0.4626

 9.5035, 0.2014,
0.7675

 277.1265, 0.3004,
0.4534

 5.0710, 0.1496,
0.8504


331.3470, 0.3017,

 2.2890, 0.0000,

0.4454

1.0000

392.2151, 0.3028,
0.4383


 0.7679, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 69.8762, 0.2830,
0.5388


 69.8762, 0.2830,
0.5388


 69.8792, 0.2830,
0.5388

 70.4043, 0.2795,
0.5192


 71.2550, 0.2774,
0.4972

 72.5160, 0.2773,
0.4737


 74.2399, 0.2791,
0.4496

 76.4708, 0.2824,
0.4258

 79.2477, 0.2871,
0.4030

 82.6056, 0.2928,
0.3817

 86.5762, 0.2992,
0.3622

 91.1893, 0.3059,
0.3446

Harmonies

Analogous

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



69.8762, 0.3882, 0.5416



69.8762, 0.2830, 0.5388



69.8762, 0.1909, 0.4247

Triad

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



69.8762, 0.2830, 0.5388



69.8762, 0.1484, 0.1679



69.8762, 0.5234, 0.3161

Complementary

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



69.8762, 0.2830, 0.5388



22.8097, 0.4532, 0.2270

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.



69.8762, 0.4297, 0.2484



69.8762, 0.2830, 0.5388



69.8762, 0.2062, 0.1676

Square

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



69.8762, 0.2830, 0.5388



69.8762, 0.1264, 0.2027



69.8762, 0.3052, 0.1958



69.8762, 0.5377, 0.3909

Rectangle

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



69.8762, 0.2830, 0.5388



69.8762, 0.1507, 0.3288



69.8762, 0.3052, 0.1958



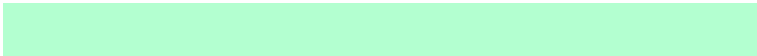
69.8762, 0.4997, 0.2926

Sweetspot

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



69.8792, 0.2830, 0.5388



85.6166, 0.2928, 0.3818



75.9445, 0.3526, 0.5582



17.9951, 0.2903, 0.3906



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.



69.8792, 0.2830, 0.5388



72.4319, 0.2830, 0.5389



74.2560, 0.2351, 0.3665



19.4215, 0.3062, 0.3438



36.7564, 0.2821, 0.5357



3.4244, 0.2755, 0.5119

Inverse Universe

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



22.8097, 0.4532, 0.2270



23.6409, 0.4533, 0.2271



20.6002, 0.6285, 0.3236



17.4030, 0.3198, 0.3146



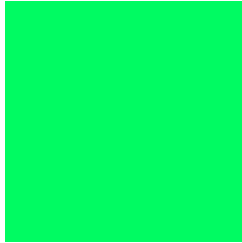
12.0187, 0.4504, 0.2255



1.1339, 0.4307, 0.2146

Previews

White Background



This preview shows how the Yxy color 69.8762, 0.2830, 0.5388 looks on a white background.

Color Contrast Check

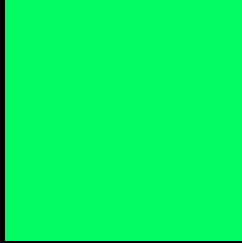
Large Text (above 18pt) WCAG AA × Fail

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 69.8762, 0.2830, 0.5388 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

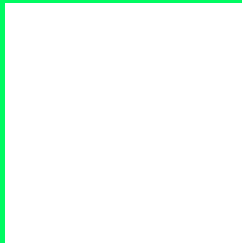
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.8762, 0.2830, 0.5388

Background



This preview shows how black text looks on a background with the Yxy color 69.8762, 0.2830, 0.5388.

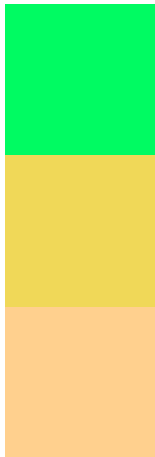


This preview shows how white text looks on a background with the Yxy color 69.8762, 0.2830, 0.5388.

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

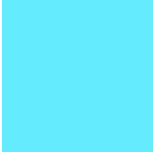
69.8762, 0.2830, 0.5388

Protanopia

68.3416, 0.4157, 0.4564

Deuteranopia

68.3247, 0.3989, 0.3969



Tritanopia

69.2817, 0.2334, 0.3059

Trichromacy



Original Color

69.8762, 0.2830, 0.5388



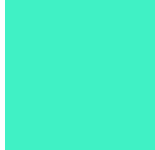
Protanomaly

63.5836, 0.3398, 0.5015



Deuteranomaly

62.4990, 0.3303, 0.4554



Tritanomaly

68.0318, 0.2489, 0.3880

Monochromacy



Original Color

69.8762, 0.2830, 0.5388



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

42.2721, 0.2836, 0.4172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.8762, 0.2830, 0.5388 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, 251, 98)` looks like.

```
.text, #text, p{  
    color:rgb(0, 251, 98)  
}
```

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, 251, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 251, 98) }
```

Border

The CSS property to change the border of an element to Yxy 69.8762, 0.2830, 0.5388 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, 251, 98) }
```

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

```
.border{ border-color:rgb(0, 251, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 251, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 251, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 251, 98);  
box-shadow:4px 4px 4px 4px rgb(0, 251, 98)  
}
```


Background

The CSS property to change the background color of an element to Yxy 69.8762, 0.2830, 0.5388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 251, 98) }
```

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

```
.background{ background-color: rgb(0, 251,  
98) }
```

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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