

Converting Colors

$Y_{xy}(70.2519, 0.2927, 0.5735)$

Have a look what the booklet for
Yxy(70.2519, 0.2927, 0.5735)
contains.

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Color

Yxy(69.9861, 0.2927, 0.5735)

Conversions

Conversions Part 1

Format	Color
Hex	01FC3F
RGB	1, 252, 63
RGB Percent	0%, 99%, 25%
CMY	0.9964, 0.0117, 0.7529
CMYK	1.00, 0.00, 0.75, 0.01
HSL	135°, 99%, 50%
HSV	135°, 100%, 99%
XYZ	35.7191, 69.9861, 16.3281
YIQ	155.4050, -88.9270, -111.9910

Conversions

Conversions Part 2

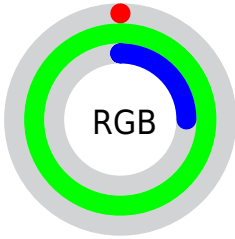
Format	Color
RYB	1, 202, 252
Decimal	130111
CIELab	86.99, -83.10, 71.31
CIELCh	87, 109.506, 139.366
Yxy	69.9861, 0.2927, 0.5735
Android (android.graphics.Color)	4278320191 (0xFF01FC3F)
YUV	155.4050, -45.5557, -135.4132
Hunter-Lab	83.6577, -70.1872, 46.9883

Details

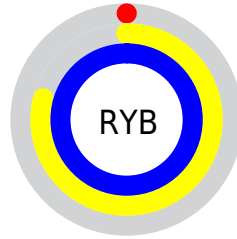
The Yxy color **69.9861, 0.2927, 0.5735** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **24.4302, 0.3967, 0.1960**, and the grayscale version is **33.1922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7767, 0.3030, 0.4976**, and **38.5836, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **69.9755, 0.2928, 0.5741**, and if you desaturate by 10%, it is **70.4541, 0.2898, 0.5554**.

Distribution



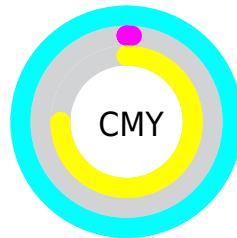
- Red (0%)
- Green (99%)
- Blue (25%)



- Red (0%)
- Yellow (79%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (75%)
- Black (1%)





- Cyan (100%)
- Magenta (1%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.9861, 0.2927, 0.5735 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 69.9861, 0.2927, 0.5735 by changing the saturation by 10% instead.


 69.9861, 0.2927,
0.5735

 69.9861, 0.2927,
0.5735


460.5012, 0.3120,
0.4502

 51.5152, 0.2852,
0.6025


 119.1889, 0.3018,
0.5296


 36.6188, 0.2743,
0.6380


 150.6897, 0.3046,
0.5128


 24.9125, 0.2581,
0.6815


 187.3024, 0.3068,
0.4984

 16.0119, 0.2335,
0.7353

 229.4117, 0.3084,
0.4860

 9.5325, 0.1966,
0.8034

 277.4018, 0.3097,
0.4753

 5.0901, 0.1375,
0.8625


331.6572, 0.3106,


 2.3002, 0.0000,


0.4659


1.0000


392.5622, 0.3114,
0.4576


 0.7738, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 69.9861, 0.2927,
0.5735

 69.9861, 0.2927,
0.5735


 69.9755, 0.2928,
0.5741

 70.4541, 0.2898,
0.5554


 71.2746, 0.2880,
0.5325


 72.5357, 0.2876,
0.5061


 74.2928, 0.2887,
0.4776

 76.5930, 0.2911,
0.4486

 79.4777, 0.2946,
0.4203

 82.9841, 0.2987,
0.3938

 87.1465, 0.3033,
0.3695

 91.9964, 0.3081,
0.3477

Harmonies

Analogous

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



69.9861, 0.4053, 0.5508



69.9861, 0.2927, 0.5735



69.9861, 0.1903, 0.4606

Triad

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



69.9861, 0.2927, 0.5735



69.9861, 0.1304, 0.1578



69.9861, 0.5349, 0.3004

Complementary

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



69.9861, 0.2927, 0.5735



24.4302, 0.3967, 0.1960

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.



69.9861, 0.4213, 0.2311



69.9861, 0.2927, 0.5735



69.9861, 0.1848, 0.1535

Square

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



69.9861, 0.2927, 0.5735



69.9861, 0.1123, 0.1997



69.9861, 0.2846, 0.1789



69.9861, 0.5608, 0.3774

Rectangle

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



69.9861, 0.2927, 0.5735



69.9861, 0.1438, 0.3494



69.9861, 0.2846, 0.1789



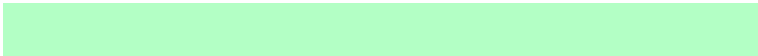
69.9861, 0.5047, 0.2763

Sweetspot

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



69.9890, 0.2927, 0.5735



85.0946, 0.2986, 0.3948



81.0185, 0.3779, 0.5380



17.8736, 0.2968, 0.4057



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.



69.9890, 0.2927, 0.5735



71.8795, 0.2928, 0.5742



73.1348, 0.2498, 0.4192



19.3796, 0.3082, 0.3474



36.4688, 0.2921, 0.5714



3.3938, 0.2859, 0.5492

Inverse Universe

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



24.4302, 0.3967, 0.1960



25.0632, 0.3971, 0.1961



21.1320, 0.5912, 0.3033



17.4469, 0.3176, 0.3113



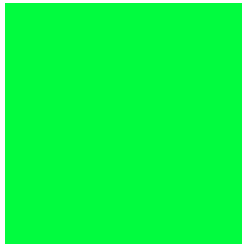
12.7346, 0.3954, 0.1952



1.1962, 0.3846, 0.1892

Previews

White Background



This preview shows how the Yxy color 69.9861, 0.2927, 0.5735 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 69.9861, 0.2927, 0.5735 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

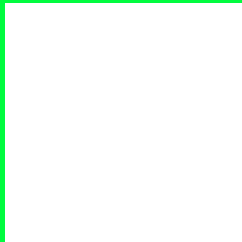
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.9861, 0.2927, 0.5735

Background



This preview shows how black text looks on a background with the Yxy color 69.9861, 0.2927, 0.5735.

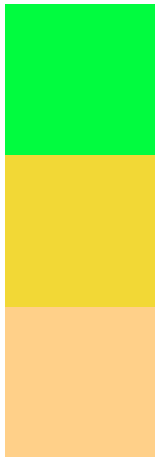


This preview shows how white text looks on a background with the Yxy color 69.9861, 0.2927, 0.5735.

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

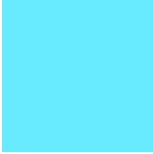
69.9861, 0.2927, 0.5735

Protanopia

68.2553, 0.4309, 0.4756

Deuteranopia

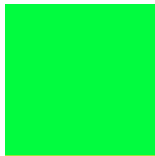
68.1779, 0.4025, 0.4017



Tritanopia

69.5155, 0.2346, 0.3060

Trichromacy



Original Color

69.9861, 0.2927, 0.5735



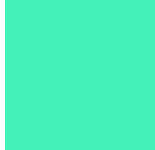
Protanomaly

63.2041, 0.3532, 0.5305



Deuteranomaly

62.2236, 0.3397, 0.4742



Tritanomaly

67.6067, 0.2549, 0.4052

Monochromacy



Original Color

69.9861, 0.2927, 0.5735



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

40.8847, 0.2916, 0.4404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.9861, 0.2927, 0.5735 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(1, 252, 63)` looks like.

```
.text, #text, p{  
    color:rgb(1, 252, 63)  
}
```

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(1, 252, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 252, 63) }
```

Border

The CSS property to change the border of an element to Yxy 69.9861, 0.2927, 0.5735 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(1, 252, 63) }
```

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

```
.border{ border-color:rgb(1, 252, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 252, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 252, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 252, 63);  
box-shadow:4px 4px 4px 4px rgb(1, 252, 63)  
}
```


Background

The CSS property to change the background color of an element to Yxy 69.9861, 0.2927, 0.5735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 252, 63) }
```

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

```
.background{ background-color: rgb(1, 252,  
63) }
```

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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