

Converting Colors

$Y_{xy}(71.6997, 0.2963, 0.5868)$

Have a look what the booklet for
Yxy(71.6997, 0.2963, 0.5868)
contains.

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Color

Yxy(71.7018, 0.2963, 0.5866)

Conversions

Conversions Part 1

Format	Color
Hex	00FF2C
RGB	0, 255, 44
RGB Percent	0%, 100%, 17%
CMY	0.9987, 0.0000, 0.8274
CMYK	1.00, 0.00, 0.83, 0.00
HSL	130°, 100%, 50%
HSV	130°, 100%, 100%
XYZ	36.2176, 71.7018, 14.3135
YIQ	154.7010, -84.2490, -119.6810

Conversions

Conversions Part 2

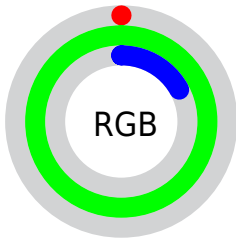
Format	Color
RYB	0, 217, 255
Decimal	65324
CIELab	87.82, -85.03, 77.32
CIELCh	88, 114.925, 137.721
Yxy	71.7018, 0.2963, 0.5866
Android (android.graphics.Color)	4278255404 (0xFF00FF2C)
YUV	154.7010, -54.5756, -135.6728
Hunter-Lab	84.6769, -71.8374, 49.2517

Details

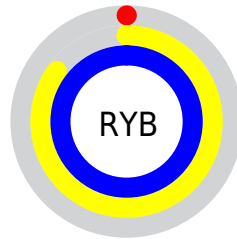
The Yxy color **71.7018, 0.2963, 0.5866** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **25.9866, 0.3707, 0.1816**, and the grayscale version is **32.9597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5461, 0.3086, 0.5121**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.6999, 0.2963, 0.5868**, and if you desaturate by 10%, it is **72.1206, 0.2942, 0.5713**.

Distribution



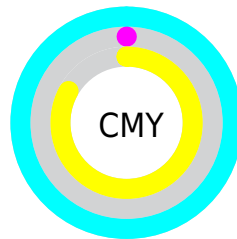
- Red (0%)
- Green (100%)
- Blue (17%)



- Red (0%)
- Yellow (85%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (83%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.7018, 0.2963, 0.5866 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 71.7018, 0.2963, 0.5866 by changing the saturation by 10% instead.

 71.7018, 0.2963,
0.5866

 71.7018, 0.2963,
0.5866


466.5030, 0.3155,
0.4580

 52.9151, 0.2884,
0.6161


 121.6325, 0.3057,
0.5413


 37.7350, 0.2769,
0.6517


 153.5453, 0.3085,
0.5238

 25.7771, 0.2597,
0.6945


 190.6022, 0.3106,
0.5088

 16.6570, 0.2348,
0.7490

 233.1877, 0.3122,
0.4958

 9.9902, 0.1946,
0.8054

 281.6861, 0.3134,
0.4845

 5.3925, 0.1365,
0.8635


336.4819, 0.3143,

 2.4793, 0.0000,


0.4746


1.0000


397.9594, 0.3150,
0.4658


 0.8663, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 71.7018, 0.2963,
0.5866


 71.7018, 0.2963,
0.5866


 71.6999, 0.2963,
0.5868


 72.1206, 0.2942,
0.5713


 72.9085, 0.2928,
0.5497

 74.1605, 0.2926,
0.5230


 75.9363, 0.2935,
0.4930

 78.2866, 0.2955,
0.4617

 81.2560, 0.2983,
0.4307

 84.8847, 0.3017,
0.4013

 89.2094, 0.3053,
0.3743

 94.2641, 0.3091,
0.3501

Harmonies

Analogous

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



71.7018, 0.4117, 0.5530



71.7018, 0.2963, 0.5866



71.7018, 0.1902, 0.4761

Triad

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



71.7018, 0.2963, 0.5866



71.7018, 0.1236, 0.1540



71.7018, 0.5390, 0.2941

Complementary

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



71.7018, 0.2963, 0.5866



25.9866, 0.3707, 0.1816

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.



71.7018, 0.4172, 0.2243



71.7018, 0.2963, 0.5866



71.7018, 0.1765, 0.1482

Square

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



71.7018, 0.2963, 0.5866



71.7018, 0.1069, 0.1987



71.7018, 0.2762, 0.1725



71.7018, 0.5698, 0.3717

Rectangle

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



71.7018, 0.2963, 0.5866



71.7018, 0.1412, 0.3585



71.7018, 0.2762, 0.1725



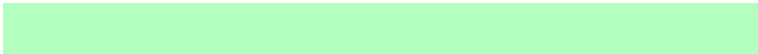
71.7018, 0.5062, 0.2698

Sweetspot

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



71.7040, 0.2963, 0.5866



84.8332, 0.3016, 0.4017



85.6004, 0.3896, 0.5288



17.8134, 0.3002, 0.4138



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.



71.7040, 0.2963, 0.5866



71.6999, 0.2963, 0.5868



74.4286, 0.2567, 0.4440



20.2190, 0.3092, 0.3493



37.4794, 0.2958, 0.5847



3.6627, 0.2907, 0.5666

Inverse Universe

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



25.9866, 0.3707, 0.1816



25.9765, 0.3708, 0.1816



21.9266, 0.5686, 0.2907



18.2437, 0.3164, 0.3095



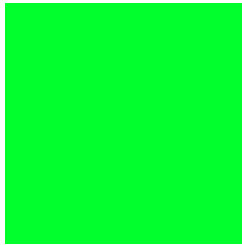
13.5930, 0.3698, 0.1811



1.3370, 0.3633, 0.1775

Previews

White Background



This preview shows how the Yxy color 71.7018, 0.2963, 0.5866 looks on a white background.

Color Contrast Check

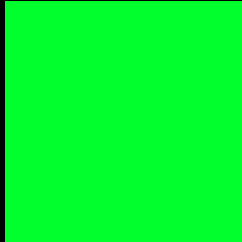
Large Text (above 18pt) WCAG AA × Fail

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 71.7018, 0.2963, 0.5866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

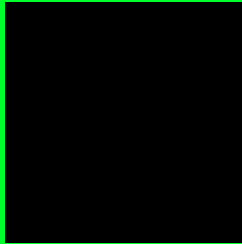
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

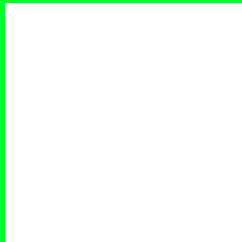
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.7018, 0.2963, 0.5866

Background



This preview shows how black text looks on a background with the Yxy color 71.7018, 0.2963, 0.5866.

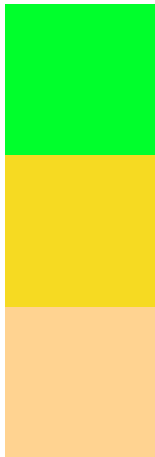


This preview shows how white text looks on a background with the Yxy color 71.7018, 0.2963, 0.5866.

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

71.7018, 0.2963, 0.5866

Protanopia

69.8511, 0.4374, 0.4822

Deuteranopia

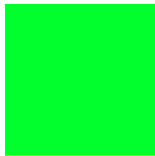
69.8929, 0.3954, 0.3968



Tritanopia

71.3658, 0.2381, 0.3075

Trichromacy



Original Color

71.7018, 0.2963, 0.5866



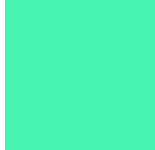
Protanomaly

64.4599, 0.3590, 0.5403



Deuteranomaly

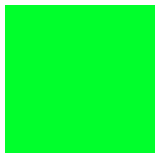
63.7023, 0.3392, 0.4794



Tritanomaly

69.3322, 0.2603, 0.4184

Monochromacy



Original Color

71.7018, 0.2963, 0.5866



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

41.1521, 0.2960, 0.4534

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.7018, 0.2963, 0.5866 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, 255, 44)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 44)  
}
```

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, 255, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 44) }
```

Border

The CSS property to change the border of an element to Yxy 71.7018, 0.2963, 0.5866 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, 255, 44) }
```

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

```
.border{ border-color:rgb(0, 255, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 44);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 44)  
}
```


Background

The CSS property to change the background color of an element to Yxy 71.7018, 0.2963, 0.5866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 44) }
```

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

```
.background{ background-color: rgb(0, 255,  
44) }
```

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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