

Converting Colors

$Y_{xy}(71.8527, 0.2935, 0.5764)$

Have a look what the booklet for
Yxy(71.8527, 0.2935, 0.5764)
contains.

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Color

Yxy(71.8527, 0.2935, 0.5764)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 01FF3C |
| RGB | 1, 255, 60 |
| RGB Percent | 0%, 100%, 24% |
| CMY | 0.9967, 0.0000, 0.7646 |
| CMYK | 1.00, 0.00, 0.76, 0.00 |
| HSL | 134°, 100%, 50% |
| HSV | 134°, 100%, 100% |
| XYZ | 36.5870, 71.8527, 16.2180 |
| YIQ | 156.8240, -88.7890, -114.4930 |

Conversions

Conversions Part 2

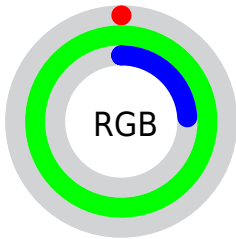
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 1, 207, 255 |
| Decimal | 130876 |
| CIELab | 87.90, -84.12, 73.12 |
| CIELCh | 88, 111.452, 139.001 |
| Yxy | 71.8527, 0.2935, 0.5764 |
| Android (android.graphics.Color) | 4278320956 (0xFF01FF3C) |
| YUV | 156.8240, -47.7342, -136.6576 |
| Hunter-Lab | 84.7660, -71.2956, 47.9924 |

Details

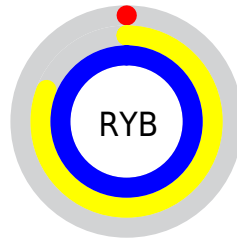
The Yxy color **71.8527, 0.2935, 0.5764** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **25.2558, 0.3916, 0.1932**, and the grayscale version is **33.8617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7980, 0.3042, 0.4997**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.8397, 0.2936, 0.5769**, and if you desaturate by 10%, it is **72.3173, 0.2907, 0.5587**.

Distribution



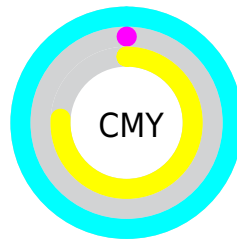
- Red (0%)
- Green (100%)
- Blue (24%)



- Red (0%)
- Yellow (81%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (76%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.8527, 0.2935, 0.5764 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 71.8527, 0.2935, 0.5764 by changing the saturation by 10% instead.

 71.8527, 0.2935,
0.5764


 71.8527, 0.2935,
0.5764

467.0287, 0.3128,
0.4524

 53.0384, 0.2860,
0.6053


 121.8471, 0.3026,
0.5324


 37.8334, 0.2751,
0.6405


 153.7959, 0.3054,
0.5155


 25.8534, 0.2589,
0.6835


 190.8917, 0.3076,
0.5010

 16.7140, 0.2345,
0.7363

 233.5188, 0.3092,
0.4886

 10.0308, 0.1979,
0.8021

 282.0617, 0.3104,
0.4777

 5.4194, 0.1401,
0.8599


336.9047, 0.3114,

 2.4954, 0.0000,


0.4682


1.0000


398.4323, 0.3122,
0.4598


 0.8743, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 71.8527, 0.2935,
0.5764


 71.8527, 0.2935,
0.5764

 71.8397, 0.2936,
0.5769


 72.3173, 0.2907,
0.5587


 73.1497, 0.2889,
0.5360


 74.4373, 0.2886,
0.5095


 76.2375, 0.2896,
0.4806

 78.5992, 0.2920,
0.4511

 81.5653, 0.2953,
0.4223

 85.1746, 0.2993,
0.3952

 89.4624, 0.3037,
0.3704

 94.4616, 0.3083,
0.3481

Harmonies

Analogous

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



71.8527, 0.4067, 0.5514



71.8527, 0.2935, 0.5764



71.8527, 0.1903, 0.4639

Triad

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



71.8527, 0.2935, 0.5764



71.8527, 0.1289, 0.1569



71.8527, 0.5358, 0.2991

Complementary

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



71.8527, 0.2935, 0.5764



25.2558, 0.3916, 0.1932

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.



71.8527, 0.4204, 0.2296



71.8527, 0.2935, 0.5764



71.8527, 0.1830, 0.1524

Square

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



71.8527, 0.2935, 0.5764



71.8527, 0.1111, 0.1995



71.8527, 0.2828, 0.1775



71.8527, 0.5627, 0.3761

Rectangle

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



71.8527, 0.2935, 0.5764



71.8527, 0.1432, 0.3513



71.8527, 0.2828, 0.1775



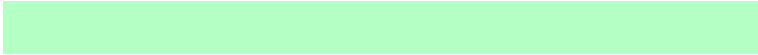
71.8527, 0.5051, 0.2748

Sweetspot

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



71.8520, 0.2935, 0.5764



85.0440, 0.2992, 0.3961



83.7921, 0.3808, 0.5357



17.8619, 0.2974, 0.4073



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.



71.8520, 0.2935, 0.5764



71.8397, 0.2936, 0.5769



74.9439, 0.2515, 0.4254



20.2375, 0.3084, 0.3478



37.5566, 0.2929, 0.5744



3.6727, 0.2872, 0.5538

Inverse Universe

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



25.2558, 0.3916, 0.1932



25.2284, 0.3918, 0.1932



21.7575, 0.5859, 0.3003



18.2238, 0.3174, 0.3109



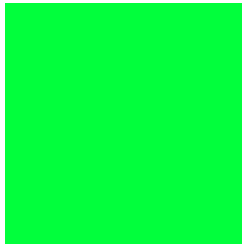
13.2066, 0.3904, 0.1924



1.3026, 0.3808, 0.1871

Previews

White Background



This preview shows how the Yxy color 71.8527, 0.2935, 0.5764 looks on a white background.

Color Contrast Check

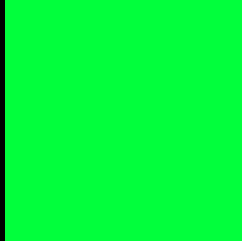
Large Text (above 18pt) WCAG AA × Fail

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 71.8527, 0.2935, 0.5764 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

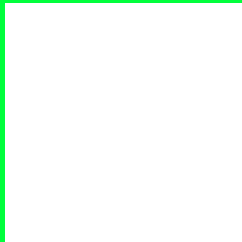
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.8527, 0.2935, 0.5764

Background



This preview shows how black text looks on a background with the Yxy color 71.8527, 0.2935, 0.5764.

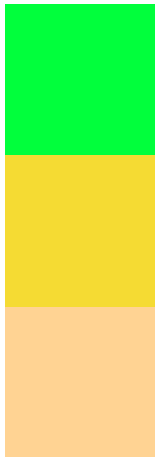


This preview shows how white text looks on a background with the Yxy color 71.8527, 0.2935, 0.5764.

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

71.8527, 0.2935, 0.5764

Protanopia

70.3145, 0.4318, 0.4775

Deuteranopia

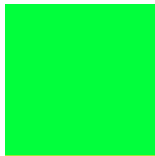
69.9551, 0.3939, 0.3948



Tritanopia

71.4332, 0.2385, 0.3075

Trichromacy



Original Color

71.8527, 0.2935, 0.5764



Protanomaly

65.0475, 0.3542, 0.5330



Deuteranomaly

63.9625, 0.3363, 0.4710



Tritanomaly

69.5785, 0.2577, 0.4098

Monochromacy



Original Color

71.8527, 0.2935, 0.5764



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

42.2544, 0.2924, 0.4439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.8527, 0.2935, 0.5764 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, 255, 60)` looks like.

```
.text, #text, p{  
    color:rgb(1, 255, 60)  
}
```

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, 255, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 255, 60) }
```

Border

The CSS property to change the border of an element to Yxy 71.8527, 0.2935, 0.5764 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, 255, 60) }
```

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

```
.border{ border-color:rgb(1, 255, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 255, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 255, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 255, 60);  
box-shadow:4px 4px 4px 4px rgb(1, 255, 60)  
}
```


Background

The CSS property to change the background color of an element to Yxy 71.8527, 0.2935, 0.5764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 255, 60) }
```

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

```
.background{ background-color: rgb(1, 255,  
60) }
```

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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