

Converting Colors

$Y_{xy}(71.7066, 0.2962, 0.5863)$

Have a look what the booklet for
Yxy(71.7066, 0.2962, 0.5863)
contains.

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Color

Yxy(71.7095, 0.2961, 0.5861)

Conversions

Conversions Part 1

Format	Color
Hex	00FF2D
RGB	0, 255, 45
RGB Percent	0%, 100%, 18%
CMY	1.0000, 0.0000, 0.8236
CMYK	1.00, 0.00, 0.82, 0.00
HSL	131°, 100%, 50%
HSV	131°, 100%, 100%
XYZ	36.2279, 71.7095, 14.4129
YIQ	154.8150, -84.5700, -119.3700

Conversions

Conversions Part 2

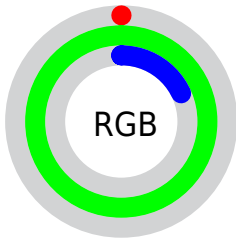
Format	Color
RYB	0, 217, 255
Decimal	65325
CIELab	87.83, -85.01, 77.09
CIELCh	88, 114.758, 137.799
Yxy	71.7095, 0.2961, 0.5861
Android (android.graphics.Color)	4278255405 (0xFF00FF2D)
YUV	154.8150, -54.1388, -135.7728
Hunter-Lab	84.6815, -71.8278, 49.1858

Details

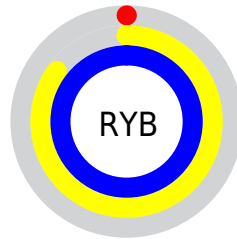
The Yxy color **71.7095, 0.2961, 0.5861** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **25.9134, 0.3724, 0.1825**, and the grayscale version is **32.9640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5677, 0.3082, 0.5110**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.7094, 0.2961, 0.5861**, and if you desaturate by 10%, it is **72.1264, 0.2940, 0.5706**.

Distribution



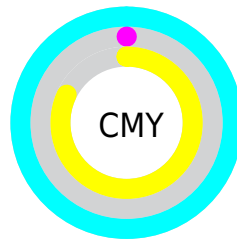
- Red (0%)
- Green (100%)
- Blue (18%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (82%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.7095, 0.2961, 0.5861 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 71.7095, 0.2961, 0.5861 by changing the saturation by 10% instead.

 71.7095, 0.2961,
0.5861


 71.7095, 0.2961,
0.5861


466.5298, 0.3153,
0.4577


 52.9214, 0.2883,
0.6156


 121.6434, 0.3055,
0.5409


 37.7400, 0.2768,
0.6512


 153.5580, 0.3083,
0.5234


 25.7810, 0.2596,
0.6940

 190.6170, 0.3104,
0.5084

 16.6599, 0.2347,
0.7484

 233.2046, 0.3120,
0.4954

 9.9923, 0.1947,
0.8053

 281.7053, 0.3132,
0.4842

 5.3938, 0.1365,
0.8635

336.5035, 0.3141,

 2.4801, 0.0000,

0.4743

1.0000

397.9835, 0.3148,
0.4655

■ 0.8667, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 71.7095, 0.2961,
0.5861

■ 71.7095, 0.2961,
0.5861

■ 71.7094, 0.2961,
0.5861


■ 72.1264, 0.2940,
0.5706


■ 72.9119, 0.2925,
0.5490


■ 74.1597, 0.2922,
0.5224


■ 75.9297, 0.2932,
0.4925

 78.2724, 0.2952,
0.4613

 81.2325, 0.2980,
0.4304

 84.8499, 0.3014,
0.4012

 89.1614, 0.3051,
0.3744

 94.2009, 0.3089,
0.3503

Harmonies

Analogous

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



71.7095, 0.4114, 0.5530



71.7095, 0.2961, 0.5861



71.7095, 0.1901, 0.4754

Triad

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



71.7095, 0.2961, 0.5861



71.7095, 0.1239, 0.1541



71.7095, 0.5389, 0.2944

Complementary

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



71.7095, 0.2961, 0.5861



25.9134, 0.3724, 0.1825

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.



71.7095, 0.4175, 0.2246



71.7095, 0.2961, 0.5861



71.7095, 0.1769, 0.1484

Square

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



71.7095, 0.2961, 0.5861



71.7095, 0.1071, 0.1987



71.7095, 0.2766, 0.1727



71.7095, 0.5694, 0.3719

Rectangle

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



71.7095, 0.2961, 0.5861



71.7095, 0.1413, 0.3580



71.7095, 0.2766, 0.1727



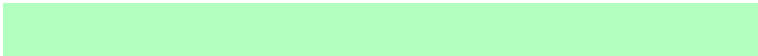
71.7095, 0.5062, 0.2700

Sweetspot

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



71.7094, 0.2961, 0.5861



84.8499, 0.3014, 0.4012



85.5915, 0.3896, 0.5288



17.8172, 0.3000, 0.4133



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.



71.7094, 0.2961, 0.5861



74.4223, 0.2567, 0.4441



20.2205, 0.3091, 0.3492



37.4848, 0.2956, 0.5840



3.6634, 0.2905, 0.5656

Inverse Universe

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



25.9134, 0.3724, 0.1825



21.9159, 0.5690, 0.2908



18.2421, 0.3165, 0.3096



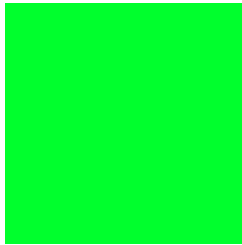
13.5604, 0.3714, 0.1820



1.3341, 0.3646, 0.1782

Previews

White Background



This preview shows how the Yxy color 71.7095, 0.2961, 0.5861 looks on a white background.

Color Contrast Check

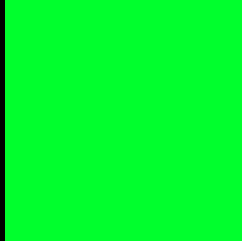
Large Text (above 18pt) WCAG AA × Fail

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 71.7095, 0.2961, 0.5861 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

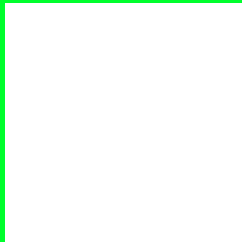
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.7095, 0.2961, 0.5861

Background



This preview shows how black text looks on a background with the Yxy color 71.7095, 0.2961, 0.5861.

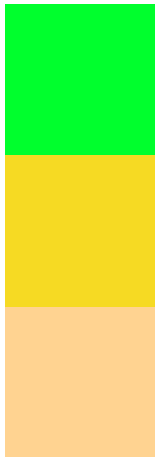


This preview shows how white text looks on a background with the Yxy color 71.7095, 0.2961, 0.5861.

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

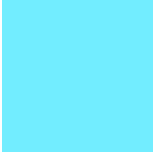
71.7095, 0.2961, 0.5861

Protanopia

69.8570, 0.4372, 0.4819

Deuteranopia

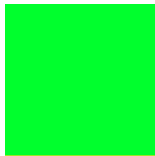
69.8929, 0.3954, 0.3968



Tritanopia

71.3658, 0.2381, 0.3075

Trichromacy



Original Color

71.7095, 0.2961, 0.5861



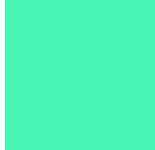
Protanomaly

64.4664, 0.3588, 0.5398



Deuteranomaly

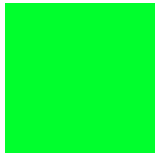
63.7237, 0.3387, 0.4783



Tritanomaly

69.3725, 0.2599, 0.4170

Monochromacy



Original Color

71.7095, 0.2961, 0.5861



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 71.7095, 0.2961, 0.5861 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, 45)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 45)  
}
```

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, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 45) }
```

Border

The CSS property to change the border of an element to Yxy 71.7095, 0.2961, 0.5861 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, 45) }
```

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

```
.border{ border-color:rgb(0, 255, 45) }
```

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, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 45);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 45)  
}
```

Background

The CSS property to change the background color of an element to Yxy 71.7095, 0.2961, 0.5861 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, 45) }
```

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

```
.background{ background-color: rgb(0, 255,  
45) }
```

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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