

Converting Colors

$Y_{xy}(70.1078, 0.2983, 0.5938)$

Have a look what the booklet for
Yxy(70.1078, 0.2983, 0.5938)
contains.

Yxy(70.3297, 0.2983, 0.5940)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.3297, 0.2983, 0.5940)

Conversions

Conversions Part 1

Format	Color
Hex	00FD1B
RGB	0, 253, 27
RGB Percent	0%, 99%, 11%
CMY	1.0000, 0.0078, 0.8940
CMYK	1.00, 0.00, 0.89, 0.01
HSL	126°, 100%, 50%
HSV	126°, 100%, 99%
XYZ	35.3188, 70.3297, 12.7517
YIQ	151.5890, -78.2420, -123.9220

Conversions

Conversions Part 2

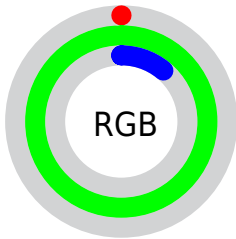
Format	Color
RYB	0, 229, 253
Decimal	64795
CIELab	87.16, -85.18, 80.01
CIELCh	87, 116.863, 136.794
Yxy	70.3297, 0.2983, 0.5940
Android (android.graphics.Color)	4278254875 (0xFF00FD1B)
YUV	151.5890, -61.4224, -132.9436
Hunter-Lab	83.8628, -71.5847, 49.6887

Details

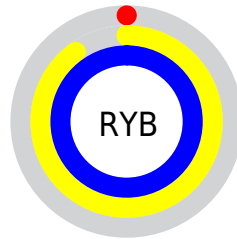
The Yxy color **70.3297, 0.2983, 0.5940** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **26.3737, 0.3504, 0.1704**, and the grayscale version is **31.5124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3620, 0.3119, 0.5215**, and **38.5836, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **70.3358, 0.2983, 0.5940**, and if you desaturate by 10%, it is **70.6941, 0.2971, 0.5818**.

Distribution



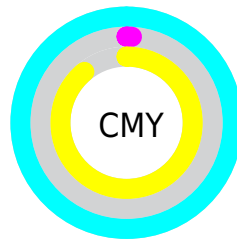
- Red (0%)
- Green (99%)
- Blue (11%)



- Red (0%)
- Yellow (90%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (89%)
- Black (1%)




- Cyan (100%)
- Magenta (1%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.3297, 0.2983, 0.5940 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 70.3297, 0.2983, 0.5940 by changing the saturation by 10% instead.


 70.3297, 0.2983,
0.5940

 70.3297, 0.2983,
0.5940


461.7068, 0.3176,
0.4619


 51.7954, 0.2901,
0.6240


 119.6788, 0.3080,
0.5477


 36.8420, 0.2779,
0.6600


 151.2624, 0.3109,
0.5296


 25.0852, 0.2597,
0.7028


 187.9645, 0.3130,
0.5142

 16.1405, 0.2347,
0.7611

 230.1695, 0.3145,
0.5008

 9.6236, 0.1907,
0.8093

 278.2619, 0.3156,
0.4892

 5.1501, 0.1313,
0.8687

 332.6259, 0.3165,

 2.3356, 0.0000,

0.4790

1.0000

393.6461, 0.3171,
0.4699

■ 0.7925, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 70.3297, 0.2983,
0.5940

■ 70.3297, 0.2983,
0.5940

■ 70.3358, 0.2983,
0.5940


■ 70.6941, 0.2971,
0.5818


■ 71.4209, 0.2964,
0.5622

■ 72.6121, 0.2965,
0.5361


■ 74.3294, 0.2975,
0.5053

 76.6247, 0.2992,
0.4724

 79.5439, 0.3016,
0.4392

 83.1281, 0.3043,
0.4075

 87.4149, 0.3071,
0.3783

 92.4391, 0.3099,
0.3521

Harmonies

Analogous

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



70.3297, 0.4154, 0.5538



70.3297, 0.2983, 0.5940



70.3297, 0.1901, 0.4854

Triad

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



70.3297, 0.2983, 0.5940



70.3297, 0.1198, 0.1518



70.3297, 0.5413, 0.2905

Complementary

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



70.3297, 0.2983, 0.5940



26.3737, 0.3504, 0.1704

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.



70.3297, 0.4148, 0.2203



70.3297, 0.2983, 0.5940



70.3297, 0.1718, 0.1451

Square

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



70.3297, 0.2983, 0.5940



70.3297, 0.1039, 0.1982



70.3297, 0.2713, 0.1687



70.3297, 0.5750, 0.3683

Rectangle

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



70.3297, 0.2983, 0.5940



70.3297, 0.1397, 0.3641



70.3297, 0.2713, 0.1687



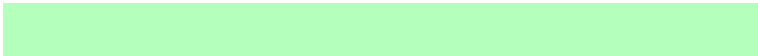
70.3297, 0.5069, 0.2660

Sweetspot

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



70.3358, 0.2983, 0.5940



84.6182, 0.3043, 0.4076



86.7028, 0.4015, 0.5194



17.7642, 0.3031, 0.4207



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.



70.3358, 0.2983, 0.5940



71.6003, 0.2983, 0.5940



72.5171, 0.2635, 0.4686



20.1997, 0.3101, 0.3509



37.4228, 0.2979, 0.5926



3.6536, 0.2941, 0.5787

Inverse Universe

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



26.3737, 0.3504, 0.1704



26.8474, 0.3504, 0.1704



21.8280, 0.5426, 0.2762



18.2649, 0.3154, 0.3080



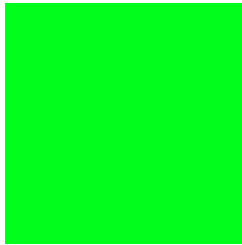
14.0419, 0.3499, 0.1701



1.3764, 0.3461, 0.1681

Previews

White Background



This preview shows how the Yxy color 70.3297, 0.2983, 0.5940 looks on a white background.

Color Contrast Check

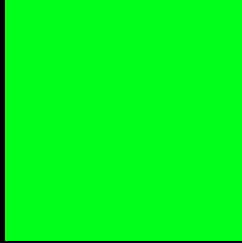
Large Text (above 18pt) WCAG AA × Fail

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 70.3297, 0.2983, 0.5940 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

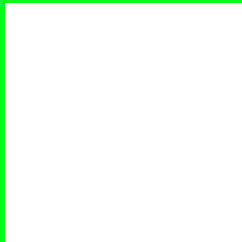
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.3297, 0.2983, 0.5940

Background



This preview shows how black text looks on a background with the Yxy color 70.3297, 0.2983, 0.5940.



This preview shows how white text looks on a background with the Yxy color 70.3297, 0.2983, 0.5940.

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

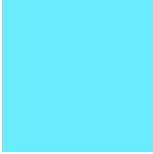
70.3297, 0.2983, 0.5940

Protanopia

68.8785, 0.4399, 0.4874

Deuteranopia

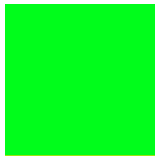
68.6671, 0.4020, 0.4027



Tritanopia

69.6366, 0.2353, 0.3060

Trichromacy



Original Color

70.3297, 0.2983, 0.5940



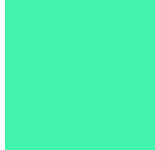
Protanomaly

63.5996, 0.3611, 0.5480



Deuteranomaly

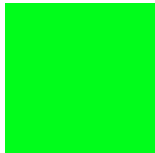
62.3949, 0.3452, 0.4897



Tritanomaly

67.6378, 0.2614, 0.4269

Monochromacy



Original Color

70.3297, 0.2983, 0.5940



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

39.9981, 0.2996, 0.4648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3297, 0.2983, 0.5940 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, 253, 27)` looks like.

```
.text, #text, p{  
    color:rgb(0, 253, 27)  
}
```

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, 253, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 253, 27) }
```

Border

The CSS property to change the border of an element to Yxy 70.3297, 0.2983, 0.5940 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, 253, 27) }
```

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

```
.border{ border-color:rgb(0, 253, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 253, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 253, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 253, 27);  
box-shadow:4px 4px 4px 4px rgb(0, 253, 27)  
}
```


Background

The CSS property to change the background color of an element to Yxy 70.3297, 0.2983, 0.5940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 253, 27) }
```

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

```
.background{ background-color: rgb(0, 253,  
27) }
```

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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