

Converting Colors

Yxy(69.9717, 0.2986, 0.5948)

Have a look what the booklet for
Yxy(69.9717, 0.2986, 0.5948)
contains.

Yxy(69.6932, 0.2986, 0.5949)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(69.6932, 0.2986, 0.5949)

Conversions

Conversions Part 1

Format	Color
Hex	00FC18
RGB	0, 252, 24
RGB Percent	0%, 99%, 9%
CMY	0.9991, 0.0117, 0.9055
CMYK	1.00, 0.00, 0.90, 0.01
HSL	126°, 100%, 49%
HSV	126°, 100%, 99%
XYZ	34.9813, 69.6932, 12.4766
YIQ	150.6600, -77.0040, -124.3320

Conversions

Conversions Part 2

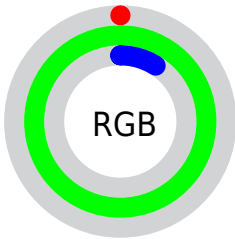
Format	Color
RYB	0, 230, 252
Decimal	64536
CIELab	86.85, -84.98, 80.18
CIELCh	87, 116.837, 136.667
Yxy	69.6932, 0.2986, 0.5949
Android (android.graphics.Color)	4278254616 (0xFF00FC18)
YUV	150.6600, -62.4434, -132.1288
Hunter-Lab	83.4825, -71.2981, 49.5767

Details

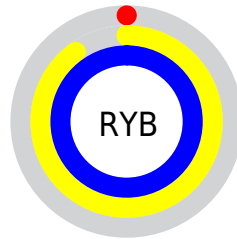
The Yxy color **69.6932, 0.2986, 0.5949** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **26.3130, 0.3468, 0.1684**, and the grayscale version is **31.1313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3238, 0.3126, 0.5235**, and **38.1399, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **69.6936, 0.2986, 0.5950**, and if you desaturate by 10%, it is **70.0450, 0.2976, 0.5832**.

Distribution



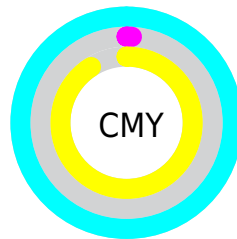
- Red (0%)
- Green (99%)
- Blue (9%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (90%)
- Black (1%)





- Cyan (100%)
- Magenta (1%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.6932, 0.2986, 0.5949 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 69.6932, 0.2986, 0.5949 by changing the saturation by 10% instead.


 69.6932, 0.2986,
0.5949

 69.6932, 0.2986,
0.5949

459.4720, 0.3179,
0.4622


 51.2765, 0.2903,
0.6251


 118.7711, 0.3084,
0.5483

 36.4287, 0.2781,
0.6612

 150.2011, 0.3112,
0.5302


 24.7654, 0.2596,
0.7041


 186.7376, 0.3133,
0.5147

 15.9024, 0.2345,
0.7635

 228.7651, 0.3149,
0.5013

 9.4551, 0.1897,
0.8103

 276.6678, 0.3160,
0.4896

 5.0392, 0.1296,
0.8704

 330.8303, 0.3168,

 2.2703, 0.0000,

0.4794

1.0000

391.6369, 0.3174,
0.4703

■ 0.7579, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 69.6932, 0.2986,
0.5949

■ 69.6932, 0.2986,
0.5949


■ 69.6936, 0.2986,
0.5950


■ 70.0450, 0.2976,
0.5832

■ 70.7614, 0.2970,
0.5640


■ 71.9404, 0.2972,
0.5380

■ 73.6433, 0.2982,
0.5072

 75.9221, 0.3000,
0.4739

 78.8226, 0.3022,
0.4404

 82.3858, 0.3048,
0.4083

 86.6492, 0.3075,
0.3787

 91.6476, 0.3102,
0.3522

Harmonies

Analogous

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



69.6932, 0.4159, 0.5539



69.6932, 0.2986, 0.5949



69.6932, 0.1901, 0.4867

Triad

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



69.6932, 0.2986, 0.5949



69.6932, 0.1193, 0.1515



69.6932, 0.5416, 0.2900

Complementary

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



69.6932, 0.2986, 0.5949



26.3130, 0.3468, 0.1684

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.



69.6932, 0.4144, 0.2198



69.6932, 0.2986, 0.5949



69.6932, 0.1712, 0.1447

Square

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



69.6932, 0.2986, 0.5949



69.6932, 0.1035, 0.1981



69.6932, 0.2707, 0.1683



69.6932, 0.5756, 0.3678

Rectangle

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



69.6932, 0.2986, 0.5949



69.6932, 0.1395, 0.3649



69.6932, 0.2707, 0.1683



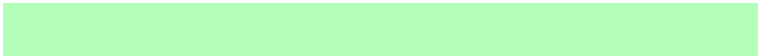
69.6932, 0.5069, 0.2655

Sweetspot

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



69.6961, 0.2986, 0.5949



84.5787, 0.3047, 0.4087



86.6228, 0.4045, 0.5170



17.7552, 0.3036, 0.4220



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.



69.6961, 0.2986, 0.5949



71.5866, 0.2986, 0.5950



71.7397, 0.2651, 0.4744



19.3359, 0.3103, 0.3512



36.3095, 0.2982, 0.5936



3.3716, 0.2945, 0.5803

Inverse Universe

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



26.3130, 0.3468, 0.1684



27.0205, 0.3468, 0.1684



21.7257, 0.5353, 0.2723



17.4945, 0.3153, 0.3078



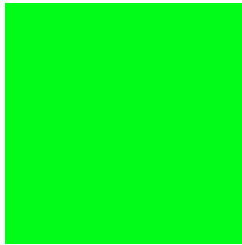
13.7140, 0.3463, 0.1682



1.2782, 0.3429, 0.1663

Previews

White Background



This preview shows how the Yxy color 69.6932, 0.2986, 0.5949 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 69.6932, 0.2986, 0.5949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

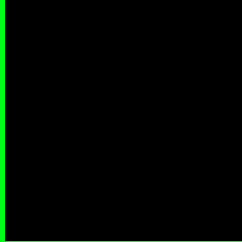
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

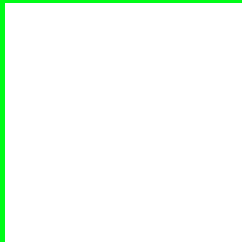
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.6932, 0.2986, 0.5949

Background



This preview shows how black text looks on a background with the Yxy color 69.6932, 0.2986, 0.5949.



This preview shows how white text looks on a background with the Yxy color 69.6932, 0.2986, 0.5949.

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

69.6868, 0.2986, 0.5949

Protanopia

68.1664, 0.4407, 0.4883

Deuteranopia

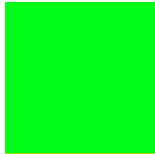
68.0652, 0.4053, 0.4055



Tritanopia

69.0017, 0.2354, 0.3059

Trichromacy



Original Color

69.6868, 0.2986, 0.5949



Protanomaly

63.0269, 0.3621, 0.5488



Deuteranomaly

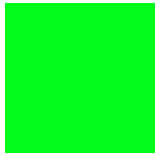
61.7830, 0.3474, 0.4931



Tritanomaly

67.0418, 0.2618, 0.4272

Monochromacy



Original Color

69.6868, 0.2986, 0.5949



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

39.4732, 0.3002, 0.4673

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.6932, 0.2986, 0.5949 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, 252, 24)` looks like.

```
.text, #text, p{  
    color:rgb(0, 252, 24)  
}
```

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, 252, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 252, 24) }
```

Border

The CSS property to change the border of an element to Yxy 69.6932, 0.2986, 0.5949 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, 252, 24) }
```

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

```
.border{ border-color:rgb(0, 252, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 252, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 252, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 252, 24);  
box-shadow:4px 4px 4px 4px rgb(0, 252, 24)  
}
```


Background

The CSS property to change the background color of an element to Yxy 69.6932, 0.2986, 0.5949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 252, 24) }
```

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

```
.background{ background-color: rgb(0, 252,  
24) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor