

Converting Colors

$Y_{xy}(69.0778, 0.2981, 0.5930)$

Have a look what the booklet for
Yxy(69.0778, 0.2981, 0.5930)
contains.

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Color

Yxy(69.0895, 0.2982, 0.5931)

Conversions

Conversions Part 1

Format	Color
Hex	02FB1D
RGB	2, 251, 29
RGB Percent	1%, 98%, 11%
CMY	0.9934, 0.0157, 0.8865
CMYK	0.99, 0.00, 0.88, 0.02
HSL	127°, 99%, 50%
HSV	127°, 99%, 98%
XYZ	34.7370, 69.0895, 12.6623
YIQ	151.2410, -77.1420, -121.8300

Conversions

Conversions Part 2

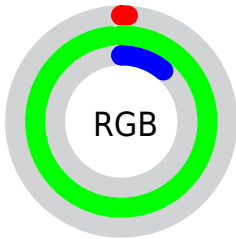
Format	Color
RYB	2, 227, 251
Decimal	195357
CIELab	86.55, -84.54, 79.19
CIELCh	87, 115.831, 136.872
Yxy	69.0895, 0.2982, 0.5931
Android (android.graphics.Color)	4278385437 (0xFF02FB1D)
YUV	151.2410, -60.2648, -130.8844
Hunter-Lab	83.1201, -70.8627, 49.1520

Details

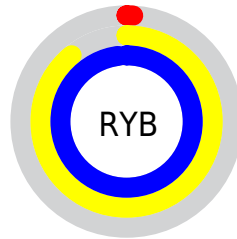
The Yxy color **69.0895, 0.2982, 0.5931** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **25.9123, 0.3509, 0.1709**, and the grayscale version is **31.2965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3620, 0.3119, 0.5215**, and **38.1399, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **69.0744, 0.2983, 0.5937**, and if you desaturate by 10%, it is **69.4647, 0.2969, 0.5803**.

Distribution



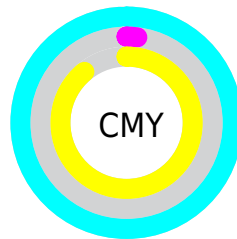
- Red (1%)
- Green (98%)
- Blue (11%)



- Red (1%)
- Yellow (89%)
- Blue (98%)



- Cyan (99%)
- Magenta (0%)
- Yellow (88%)
- Black (2%)





- Cyan (99%)
- Magenta (2%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.0895, 0.2982, 0.5931 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 69.0895, 0.2982, 0.5931 by changing the saturation by 10% instead.


 69.0895, 0.2982,
0.5931


 69.0895, 0.2982,
0.5931


457.3466, 0.3174,
0.4610


 50.7846, 0.2900,
0.6233

 117.9094, 0.3079,
0.5466

 36.0372, 0.2778,
0.6595


 149.1932, 0.3108,
0.5286


 24.4629, 0.2595,
0.7027


 185.5721, 0.3129,
0.5132

 15.6774, 0.2343,
0.7621

 227.4304, 0.3144,
0.4998

 9.2962, 0.1896,
0.8104

 275.1527, 0.3155,
0.4882

 4.9349, 0.1288,
0.8712

 329.1232, 0.3163,

 2.2091, 0.0000,

0.4780

1.0000

389.7263, 0.3170,
0.4690

■ 0.7249, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 69.0895, 0.2982,
0.5931

■ 69.0895, 0.2982,
0.5931


■ 69.0744, 0.2983,
0.5937


■ 69.4647, 0.2969,
0.5803


■ 70.2095, 0.2962,
0.5601


■ 71.4144, 0.2964,
0.5336

■ 73.1387, 0.2974,
0.5027

 75.4330, 0.2992,
0.4697

 78.3416, 0.3016,
0.4367

 81.9046, 0.3043,
0.4052

 86.1587, 0.3072,
0.3763

 91.1377, 0.3101,
0.3504

Harmonies

Analogous

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



69.0895, 0.4151, 0.5536



69.0895, 0.2982, 0.5931



69.0895, 0.1902, 0.4844

Triad

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



69.0895, 0.2982, 0.5931



69.0895, 0.1202, 0.1521



69.0895, 0.5409, 0.2909

Complementary

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



69.0895, 0.2982, 0.5931



25.9123, 0.3509, 0.1709

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.



69.0895, 0.4149, 0.2207



69.0895, 0.2982, 0.5931



69.0895, 0.1723, 0.1455

Square

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



69.0895, 0.2982, 0.5931



69.0895, 0.1043, 0.1983



69.0895, 0.2718, 0.1692



69.0895, 0.5744, 0.3686

Rectangle

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



69.0895, 0.2982, 0.5931



69.0895, 0.1399, 0.3636



69.0895, 0.2718, 0.1692



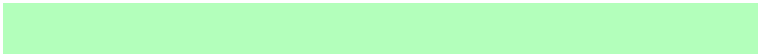
69.0895, 0.5066, 0.2664

Sweetspot

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



69.0924, 0.2982, 0.5931



84.6264, 0.3042, 0.4073



85.1762, 0.4016, 0.5191



17.7661, 0.3030, 0.4204



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.



69.0924, 0.2982, 0.5931



71.6033, 0.2983, 0.5938



71.2470, 0.2633, 0.4675



19.3401, 0.3101, 0.3508



36.3191, 0.2978, 0.5923



3.3735, 0.2937, 0.5774

Inverse Universe

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



25.9123, 0.3509, 0.1709



26.8121, 0.3512, 0.1708



21.4927, 0.5406, 0.2755



17.4899, 0.3155, 0.3081



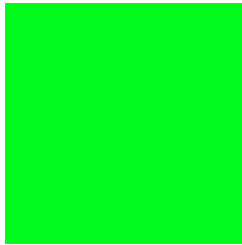
13.6099, 0.3506, 0.1705



1.2696, 0.3466, 0.1683

Previews

White Background



This preview shows how the Yxy color 69.0895, 0.2982, 0.5931 looks on a white background.

Color Contrast Check

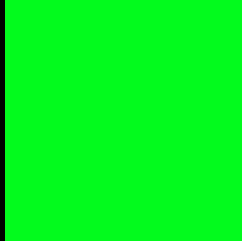
Large Text (above 18pt) WCAG AA × Fail

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 69.0895, 0.2982, 0.5931 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

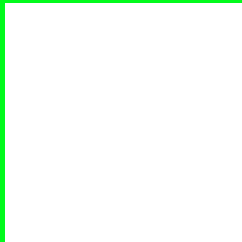
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.0895, 0.2982, 0.5931

Background



This preview shows how black text looks on a background with the Yxy color 69.0895, 0.2982, 0.5931.



This preview shows how white text looks on a background with the Yxy color 69.0895, 0.2982, 0.5931.

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

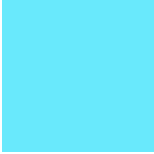
69.0960, 0.2982, 0.5931

Protanopia

67.5098, 0.4397, 0.4866

Deuteranopia

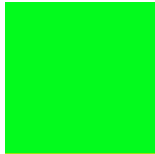
67.4706, 0.4086, 0.4084



Tritanopia

68.3094, 0.2352, 0.3058

Trichromacy



Original Color

69.0960, 0.2982, 0.5931



Protanomaly

62.5024, 0.3618, 0.5464



Deuteranomaly

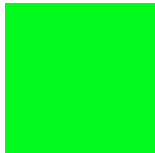
61.3522, 0.3485, 0.4919



Tritanomaly

66.4537, 0.2609, 0.4247

Monochromacy



Original Color

69.0960, 0.2982, 0.5931



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

39.1436, 0.2996, 0.4625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.0895, 0.2982, 0.5931 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(2, 251, 29)` looks like.

```
.text, #text, p{  
    color:rgb(2, 251, 29)  
}
```

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(2, 251, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 251, 29) }
```

Border

The CSS property to change the border of an element to Yxy 69.0895, 0.2982, 0.5931 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(2, 251, 29) }
```

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

```
.border{ border-color:rgb(2, 251, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 251, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 251, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 251, 29);  
box-shadow:4px 4px 4px 4px rgb(2, 251, 29)  
}
```


Background

The CSS property to change the background color of an element to Yxy 69.0895, 0.2982, 0.5931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 251, 29) }
```

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

```
.background{ background-color: rgb(2, 251,  
29) }
```

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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