

Converting Colors

$Y_{xy}(69.3041, 0.3002, 0.5991)$

Have a look what the booklet for
Yxy(69.3041, 0.3002, 0.5991)
contains.

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Color

Yxy(69.0418, 0.3002, 0.5990)

Conversions

Conversions Part 1

Format	Color
Hex	07FB04
RGB	7, 251, 4
RGB Percent	3%, 98%, 2%
CMY	0.9734, 0.0157, 0.9841
CMYK	0.97, 0.00, 0.98, 0.02
HSL	119°, 97%, 50%
HSV	119°, 98%, 98%
XYZ	34.6016, 69.0418, 11.6184
YIQ	149.8860, -66.1370, -128.5450

Conversions

Conversions Part 2

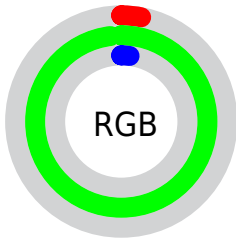
Format	Color
RYB	4, 251, 248
Decimal	523012
CIELab	86.52, -84.90, 81.90
CIElCh	87, 117.968, 136.029
Yxy	69.0418, 0.3002, 0.5990
Android (android.graphics.Color)	4278713092 (0xFF07FB04)
YUV	149.8860, -71.9218, -125.3110
Hunter-Lab	83.0914, -71.0775, 49.8737

Details

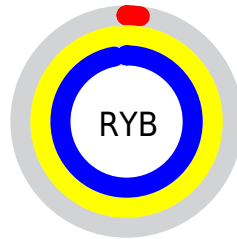
The Yxy color **69.0418, 0.3002, 0.5990** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **27.0604, 0.3182, 0.1530**, and the grayscale version is **30.7538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2858, 0.3151, 0.5291**, and **38.1399, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **69.0098, 0.3002, 0.5999**, and if you desaturate by 10%, it is **69.3823, 0.3007, 0.5910**.

Distribution



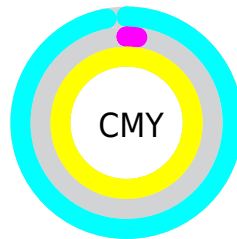
- Red (3%)
- Green (98%)
- Blue (2%)



- Red (2%)
- Yellow (98%)
- Blue (97%)



- Cyan (97%)
- Magenta (0%)
- Yellow (98%)
- Black (2%)




- Cyan (97%)
- Magenta (2%)
- Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.0418, 0.3002, 0.5990 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 69.0418, 0.3002, 0.5990 by changing the saturation by 10% instead.

 69.0418, 0.3002,
0.5990


 69.0418, 0.3002,
0.5990


457.1784, 0.3194,
0.4645


 50.7458, 0.2917,
0.6294


 117.8413, 0.3101,
0.5520

 36.0063, 0.2791,
0.6655


 149.1135, 0.3130,
0.5336


 24.4391, 0.2601,
0.7082


 185.4799, 0.3150,
0.5179

 15.6596, 0.2340,
0.7660

 227.3249, 0.3165,
0.5042

 9.2836, 0.1883,
0.8117

 275.0328, 0.3176,
0.4924

 4.9266, 0.1273,
0.8727

 328.9881, 0.3184,

 2.2043, 0.0000,

0.4819

1.0000

389.5752, 0.3190,
0.4727

■ 0.7223, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 69.0418, 0.3002,
0.5990

■ 69.0418, 0.3002,
0.5990


■ 69.0098, 0.3002,
0.5999

■ 69.3823, 0.3007,
0.5910


■ 70.1140, 0.3017,
0.5745


■ 71.3224, 0.3030,
0.5494


■ 73.0698, 0.3045,
0.5179

 75.4094, 0.3062,
0.4826

 78.3877, 0.3078,
0.4465

 82.0468, 0.3093,
0.4116

 86.4251, 0.3107,
0.3793

 91.5582, 0.3119,
0.3505

Harmonies

Analogous

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



69.0418, 0.4184, 0.5538



69.0418, 0.3002, 0.5990



69.0418, 0.1905, 0.4928

Triad

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



69.0418, 0.3002, 0.5990



69.0418, 0.1171, 0.1504



69.0418, 0.5424, 0.2876

Complementary

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



69.0418, 0.3002, 0.5990



27.0604, 0.3182, 0.1530

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.



69.0418, 0.4123, 0.2173



69.0418, 0.3002, 0.5990



69.0418, 0.1683, 0.1430

Square

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



69.0418, 0.3002, 0.5990



69.0418, 0.1018, 0.1982



69.0418, 0.2674, 0.1661



69.0418, 0.5786, 0.3655

Rectangle

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



69.0418, 0.3002, 0.5990



69.0418, 0.1390, 0.3689



69.0418, 0.2674, 0.1661



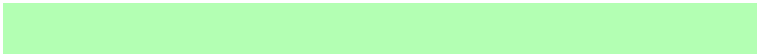
69.0418, 0.5067, 0.2630

Sweetspot

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



69.0447, 0.3002, 0.5990



84.3790, 0.3091, 0.4172



86.9660, 0.4220, 0.5026



17.7099, 0.3084, 0.4318



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.



69.0447, 0.3002, 0.5990



71.5381, 0.3002, 0.5999



70.4587, 0.2743, 0.5066



19.3183, 0.3117, 0.3535



36.2797, 0.3002, 0.5998



3.3632, 0.3008, 0.5994

Inverse Universe

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



27.0604, 0.3182, 0.1530



27.9516, 0.3181, 0.1526



22.2531, 0.4891, 0.2475



17.5143, 0.3136, 0.3056



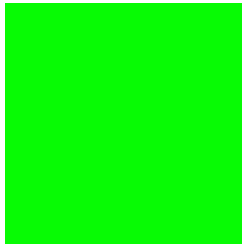
14.1784, 0.3182, 0.1526



1.3162, 0.3185, 0.1528

Previews

White Background



This preview shows how the Yxy color 69.0418, 0.3002, 0.5990 looks on a white background.

Color Contrast Check

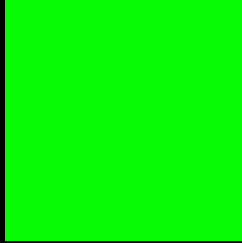
Large Text (above 18pt) WCAG AA × Fail

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 69.0418, 0.3002, 0.5990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

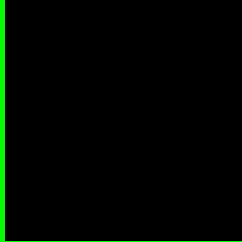
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

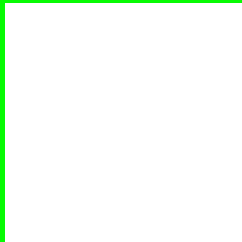
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.0418, 0.3002, 0.5990

Background



This preview shows how black text looks on a background with the Yxy color 69.0418, 0.3002, 0.5990.



This preview shows how white text looks on a background with the Yxy color 69.0418, 0.3002, 0.5990.

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

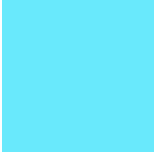
69.0483, 0.3002, 0.5990

Protanopia

67.4781, 0.4408, 0.4882

Deuteranopia

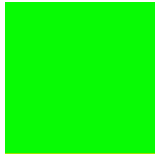
67.4442, 0.4093, 0.4093



Tritanopia

68.3094, 0.2352, 0.3058

Trichromacy



Original Color

69.0483, 0.3002, 0.5990



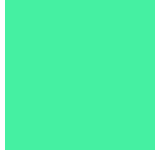
Protanomaly

62.5569, 0.3639, 0.5491



Deuteranomaly

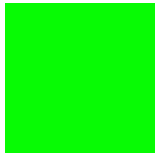
61.3992, 0.3545, 0.5008



Tritanomaly

66.1940, 0.2655, 0.4379

Monochromacy



Original Color

69.0483, 0.3002, 0.5990



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

39.0004, 0.3064, 0.4786

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.0418, 0.3002, 0.5990 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(7, 251, 4)` looks like.

```
.text, #text, p{  
    color:rgb(7, 251, 4)  
}
```

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(7, 251, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 251, 4) }
```

Border

The CSS property to change the border of an element to Yxy 69.0418, 0.3002, 0.5990 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(7, 251, 4) }
```

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

```
.border{ border-color:rgb(7, 251, 4) }
```

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

Here you see how a box with a 4 pixel rgb(7, 251, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 251, 4); -webkit-box-shadow:4px  
4px 4px 4px rgb(7, 251, 4); box-shadow:4px  
4px 4px 4px rgb(7, 251, 4) }
```


Background

The CSS property to change the background color of an element to Yxy 69.0418, 0.3002, 0.5990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 251, 4) }
```

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

```
.background{ background-color: rgb(7, 251,  
4) }
```

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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