

Converting Colors

Yxy(71.6286, 0.2996, 0.5962)

Have a look what the booklet for
Yxy(71.6286, 0.2996, 0.5962)
contains.

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Color

Yxy(71.6282, 0.2996, 0.5963)

Conversions

Conversions Part 1

Format	Color
Hex	09FF12
RGB	9, 255, 18
RGB Percent	4%, 100%, 7%
CMY	0.9636, 0.0000, 0.9290
CMYK	0.96, 0.00, 0.93, 0.00
HSL	122°, 100%, 52%
HSV	122°, 96%, 100%
XYZ	35.9883, 71.6282, 12.5046
YIQ	154.4280, -70.5390, -125.8590

Conversions

Conversions Part 2

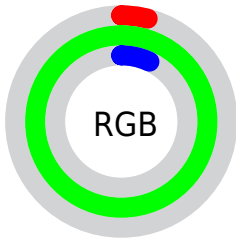
Format	Color
R_{YB}	9, 246, 255
Decimal	655122
CIE _{Lab}	87.79, -85.64, 81.73
CIE _{LCh}	88, 118.385, 136.339
Yxy	71.6282, 0.2996, 0.5963
Android (android.graphics.Color)	4278845202 (0xFF09FF12)
YUV	154.4280, -67.2590, -127.5404
Hunter-Lab	84.6334, -72.2058, 50.4833

Details

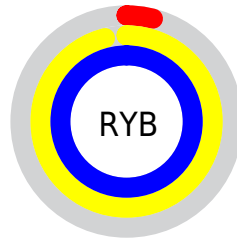
The Yxy color **71.6282, 0.2996, 0.5963** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **28.1266, 0.3299, 0.1600**, and the grayscale version is **32.8842, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4480, 0.3139, 0.5240**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.5401, 0.2996, 0.5985**, and if you desaturate by 10%, it is **72.0458, 0.2995, 0.5851**.

Distribution



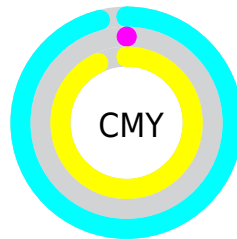
- Red (4%)
- Green (100%)
- Blue (7%)



- Red (4%)
- Yellow (96%)
- Blue (100%)



- Cyan (96%)
- Magenta (0%)
- Yellow (93%)
- Black (0%)





- Cyan (96%)
- Magenta (0%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.6282, 0.2996, 0.5963 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 71.6282, 0.2996, 0.5963 by changing the saturation by 10% instead.

 71.6282, 0.2996,
0.5963

 71.6282, 0.2996,
0.5963

466.2465, 0.3186,
0.4637

 52.8550, 0.2914,
0.6262


 121.5278, 0.3093,
0.5500

 37.6870, 0.2792,
0.6618

 153.4230, 0.3121,
0.5320

 25.7399, 0.2611,
0.7039


 190.4609, 0.3142,
0.5164

 16.6291, 0.2363,
0.7616


 233.0261, 0.3157,
0.5030

 9.9704, 0.1925,
0.8075

 281.5028, 0.3168,
0.4913

 5.3794, 0.1341,
0.8659


 336.2755, 0.3176,

 2.4715, 0.0000,

0.4810


1.0000


397.7286, 0.3182,
0.4719


 0.8623, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 71.6282, 0.2996,
0.5963


 71.6282, 0.2996,
0.5963

 71.5401, 0.2996,
0.5985

 72.0458, 0.2995,
0.5851


 72.8983, 0.2998,
0.5653

 74.2587, 0.3007,
0.5381


 76.1896, 0.3022,
0.5056

 78.7446, 0.3039,
0.4706

 81.9708, 0.3059,
0.4355

 85.9111, 0.3079,
0.4022

 90.6047, 0.3098,
0.3717

 96.0879, 0.3116,
0.3445

Harmonies

Analogous

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



71.6282, 0.4171, 0.5535



71.6282, 0.2996, 0.5963



71.6282, 0.1907, 0.4893

Triad

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



71.6282, 0.2996, 0.5963



71.6282, 0.1185, 0.1513



71.6282, 0.5415, 0.2889

Complementary

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



71.6282, 0.2996, 0.5963



28.1266, 0.3299, 0.1600

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.



71.6282, 0.4131, 0.2187



71.6282, 0.2996, 0.5963



71.6282, 0.1700, 0.1442

Square

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



71.6282, 0.2996, 0.5963



71.6282, 0.1030, 0.1985



71.6282, 0.2691, 0.1674



71.6282, 0.5767, 0.3667

Rectangle

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



71.6282, 0.2996, 0.5963



71.6282, 0.1396, 0.3669



71.6282, 0.2691, 0.1674



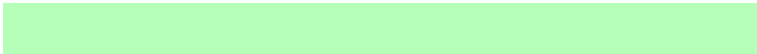
71.6282, 0.5063, 0.2644

Sweetspot

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



71.6240, 0.2996, 0.5963



84.7981, 0.3073, 0.4107



91.2799, 0.4131, 0.5089



17.7891, 0.3065, 0.4250



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.



71.6240, 0.2996, 0.5963



71.5401, 0.2996, 0.5985



73.4833, 0.2689, 0.4863



20.1787, 0.3111, 0.3527



37.3858, 0.2994, 0.5978



3.6437, 0.2980, 0.5927

Inverse Universe

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



28.1266, 0.3299, 0.1600



27.9045, 0.3303, 0.1593



22.9157, 0.5054, 0.2575



18.2885, 0.3144, 0.3064



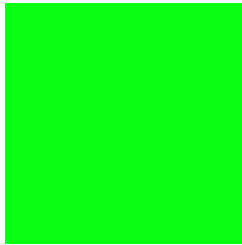
14.5857, 0.3301, 0.1592



1.4235, 0.3290, 0.1586

Previews

White Background



This preview shows how the Yxy color 71.6282, 0.2996, 0.5963 looks on a white background.

Color Contrast Check

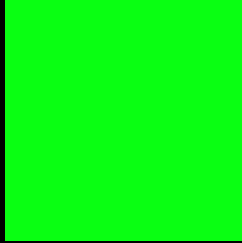
Large Text (above 18pt) WCAG AA × Fail

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 71.6282, 0.2996, 0.5963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

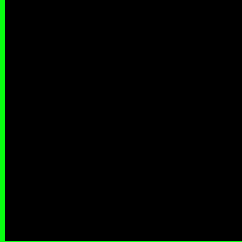
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

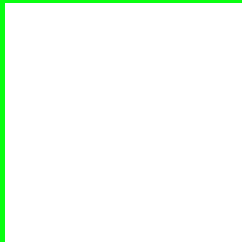
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.6282, 0.2996, 0.5963

Background



This preview shows how black text looks on a background with the Yxy color 71.6282, 0.2996, 0.5963.



This preview shows how white text looks on a background with the Yxy color 71.6282, 0.2996, 0.5963.

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

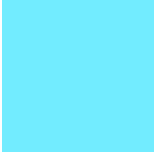
71.6217, 0.2996, 0.5963

Protanopia

69.7356, 0.4413, 0.4878

Deuteranopia

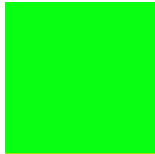
69.8317, 0.3968, 0.3987



Tritanopia

70.7883, 0.2379, 0.3062

Trichromacy



Original Color

71.6217, 0.2996, 0.5963



Protanomaly

64.6408, 0.3649, 0.5471



Deuteranomaly

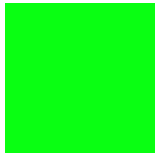
63.9270, 0.3470, 0.4886



Tritanomaly

68.5023, 0.2650, 0.4302

Monochromacy



Original Color

71.6217, 0.2996, 0.5963



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

41.1063, 0.3041, 0.4689

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.6282, 0.2996, 0.5963 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(9, 255, 18)` looks like.

```
.text, #text, p{  
    color:rgb(9, 255, 18)  
}
```

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(9, 255, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 255, 18) }
```

Border

The CSS property to change the border of an element to Yxy 71.6282, 0.2996, 0.5963 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(9, 255, 18) }
```

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

```
.border{ border-color:rgb(9, 255, 18) }
```

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

Here you see how a box with a 4 pixel rgb(9, 255, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 255, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 255, 18);  
box-shadow:4px 4px 4px 4px rgb(9, 255, 18)  
}
```


Background

The CSS property to change the background color of an element to Yxy 71.6282, 0.2996, 0.5963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 255, 18) }
```

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

```
.background{ background-color: rgb(9, 255,  
18) }
```

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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