

Converting Colors

$Y_{xy}(71.5482, 0.2994, 0.5979)$

Have a look what the booklet for
Yxy(71.5482, 0.2994, 0.5979)
contains.

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Color

Yxy(71.5491, 0.2994, 0.5978)

Conversions

Conversions Part 1

Format	Color
Hex	00FF0D
RGB	0, 255, 13
RGB Percent	0%, 100%, 5%
CMY	0.9994, 0.0000, 0.9487
CMYK	1.00, 0.00, 0.95, 0.00
HSL	123°, 100%, 50%
HSV	123°, 100%, 100%
XYZ	35.8344, 71.5491, 12.3039
YIQ	151.1670, -74.2980, -129.3220

Conversions

Conversions Part 2

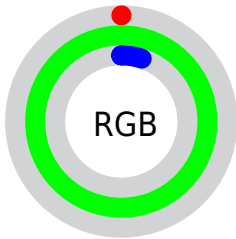
Format	Color
RYB	0, 243, 255
Decimal	65293
CIELab	87.75, -86.00, 82.19
CIELCh	88, 118.955, 136.296
Yxy	71.5491, 0.2994, 0.5978
Android (android.graphics.Color)	4278255373 (0xFF00FF0D)
YUV	151.1670, -68.1163, -132.5735
Hunter-Lab	84.5867, -72.4068, 50.5865

Details

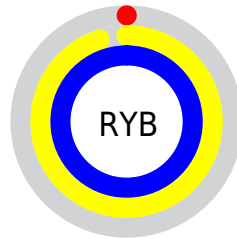
The Yxy color **71.5491, 0.2994, 0.5978** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **27.6797, 0.3343, 0.1615**, and the grayscale version is **31.3704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3393, 0.3141, 0.5262**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.5489, 0.2994, 0.5978**, and if you desaturate by 10%, it is **71.8706, 0.2990, 0.5886**.

Distribution



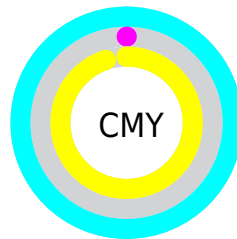
- Red (0%)
- Green (100%)
- Blue (5%)



- Red (0%)
- Yellow (95%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (95%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.5491, 0.2994, 0.5978 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 71.5491, 0.2994, 0.5978 by changing the saturation by 10% instead.


 71.5491, 0.2994,
0.5978


 71.5491, 0.2994,
0.5978


465.9707, 0.3187,
0.4645


 52.7904, 0.2911,
0.6278


 121.4153, 0.3092,
0.5513

 37.6355, 0.2788,
0.6635


 153.2915, 0.3121,
0.5331

 25.6999, 0.2604,
0.7057


 190.3091, 0.3142,
0.5175

 16.5993, 0.2355,
0.7640

 232.8524, 0.3157,
0.5040

 9.9492, 0.1912,
0.8088

 281.3058, 0.3168,
0.4922

 5.3653, 0.1327,
0.8673


 336.0537, 0.3177,

 2.4631, 0.0000,


0.4819

1.0000


397.4806, 0.3183,
0.4727


 0.8581, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 71.5491, 0.2994,
0.5978


 71.5491, 0.2994,
0.5978

 71.5489, 0.2994,
0.5978

 71.8706, 0.2990,
0.5886


 72.5703, 0.2990,
0.5712

 73.7508, 0.2996,
0.5461


 75.4781, 0.3008,
0.5151

 77.8076, 0.3024,
0.4810

 80.7880, 0.3044,
0.4461

 84.4630, 0.3065,
0.4125

 88.8727, 0.3087,
0.3814

 94.0539, 0.3108,
0.3534

Harmonies

Analogous

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



71.5491, 0.4173, 0.5541



71.5491, 0.2994, 0.5978



71.5491, 0.1901, 0.4905

Triad

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



71.5491, 0.2994, 0.5978



71.5491, 0.1178, 0.1506



71.5491, 0.5424, 0.2885

Complementary

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



71.5491, 0.2994, 0.5978



27.6797, 0.3343, 0.1615

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.



71.5491, 0.4133, 0.2182



71.5491, 0.2994, 0.5978



71.5491, 0.1693, 0.1435

Square

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



71.5491, 0.2994, 0.5978



71.5491, 0.1023, 0.1979



71.5491, 0.2687, 0.1668



71.5491, 0.5777, 0.3664

Rectangle

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



71.5491, 0.2994, 0.5978



71.5491, 0.1389, 0.3672



71.5491, 0.2687, 0.1668



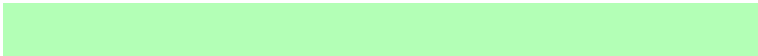
71.5491, 0.5071, 0.2639

Sweetspot

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



71.5503, 0.2994, 0.5978



84.4372, 0.3065, 0.4127



90.4433, 0.4105, 0.5123



17.7231, 0.3056, 0.4266



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.



71.5503, 0.2994, 0.5978



71.5489, 0.2994, 0.5978



73.4241, 0.2685, 0.4865



20.1831, 0.3109, 0.3523



37.3920, 0.2992, 0.5969



3.6457, 0.2971, 0.5897

Inverse Universe

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



27.6797, 0.3343, 0.1615



27.6756, 0.3343, 0.1615



22.4977, 0.5215, 0.2647



18.2835, 0.3146, 0.3068



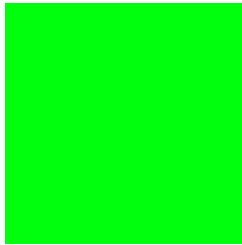
14.4681, 0.3341, 0.1614



1.4134, 0.3324, 0.1605

Previews

White Background



This preview shows how the Yxy color 71.5491, 0.2994, 0.5978 looks on a white background.

Color Contrast Check

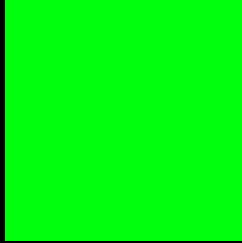
Large Text (above 18pt) WCAG AA × Fail

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 71.5491, 0.2994, 0.5978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

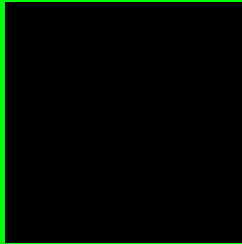
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

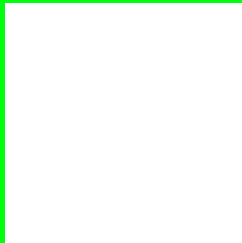
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.5491, 0.2994, 0.5978

Background



This preview shows how black text looks on a background with the Yxy color 71.5491, 0.2994, 0.5978.



This preview shows how white text looks on a background with the Yxy color 71.5491, 0.2994, 0.5978.

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

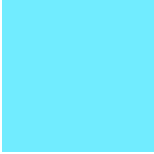
71.5491, 0.2994, 0.5978

Protanopia

69.7356, 0.4413, 0.4878

Deuteranopia

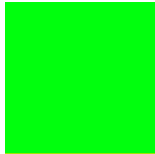
69.8317, 0.3968, 0.3987



Tritanopia

70.7216, 0.2375, 0.3062

Trichromacy



Original Color

71.5491, 0.2994, 0.5978



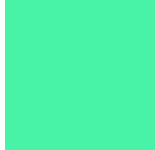
Protanomaly

64.3309, 0.3628, 0.5491



Deuteranomaly

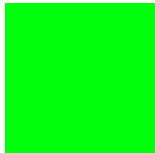
63.4641, 0.3450, 0.4923



Tritanomaly

68.2689, 0.2647, 0.4334

Monochromacy



Original Color

71.5491, 0.2994, 0.5978



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

39.8216, 0.3026, 0.4749

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.5491, 0.2994, 0.5978 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, 255, 13)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 13)  
}
```

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, 255, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 13) }
```

Border

The CSS property to change the border of an element to Yxy 71.5491, 0.2994, 0.5978 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, 255, 13) }
```

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

```
.border{ border-color:rgb(0, 255, 13) }
```

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

Here you see how a box with a 4 pixel rgb(0, 255, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 13);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 13)  
}
```


Background

The CSS property to change the background color of an element to Yxy 71.5491, 0.2994, 0.5978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 13) }
```

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

```
.background{ background-color: rgb(0, 255,  
13) }
```

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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