

Converting Colors

$Y_{xy}(71.9910, 0.2964, 0.5793)$

Have a look what the booklet for
Yxy(71.9910, 0.2964, 0.5793)
contains.

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Color

Yxy(71.9930, 0.2964, 0.5794)

Conversions

Conversions Part 1

Format	Color
Hex	19FF36
RGB	25, 255, 54
RGB Percent	10%, 100%, 21%
CMY	0.9011, 0.0000, 0.7886
CMYK	0.90, 0.00, 0.79, 0.00
HSL	127°, 100%, 55%
HSV	127°, 90%, 100%
XYZ	36.8290, 71.9930, 15.4324
YIQ	163.3160, -72.5590, -111.2710

Conversions

Conversions Part 2

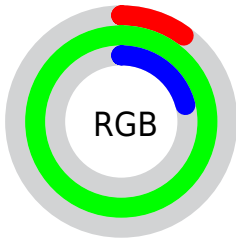
Format	Color
R _Y B	25, 229, 255
Decimal	1703734
CIE Lab	87.97, -83.61, 74.97
CIE LCh	88, 112.299, 138.116
Yxy	71.9930, 0.2964, 0.5794
Android (android.graphics.Color)	4279893814 (0xFF19FF36)
YUV	163.3160, -53.8928, -121.3031
Hunter-Lab	84.8487, -71.0064, 48.6103

Details

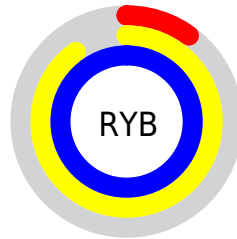
The Yxy color **71.9930, 0.2964, 0.5794** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark washed green. A complement of this color would be **27.4737, 0.3517, 0.1745**, and the grayscale version is **37.0979, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9919, 0.3078, 0.5033**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.6233, 0.2979, 0.5923**, and if you desaturate by 10%, it is **72.7417, 0.2954, 0.5593**.

Distribution



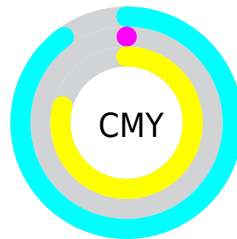
- Red (10%)
- Green (100%)
- Blue (21%)



- Red (10%)
- Yellow (90%)
- Blue (100%)



- Cyan (90%)
- Magenta (0%)
- Yellow (79%)
- Black (0%)





- Cyan (90%)
- Magenta (0%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.9930, 0.2964, 0.5794 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 71.9930, 0.2964, 0.5794 by changing the saturation by 10% instead.


 71.9930, 0.2964,
0.5794


 71.9930, 0.2964,
0.5794

467.5172, 0.3148,
0.4543

 53.1530, 0.2890,
0.6083


 122.0466, 0.3053,
0.5352


 37.9249, 0.2781,
0.6434


 154.0289, 0.3080,
0.5181


 25.9244, 0.2618,
0.6859

 191.1608, 0.3100,
0.5035

 16.7671, 0.2375,
0.7387

 233.8266, 0.3116,
0.4909

 10.0686, 0.1999,
0.8001

 282.4108, 0.3127,
0.4800

 5.4444, 0.1423,
0.8577


337.2977, 0.3136,


 2.5103, 0.0000,


0.4703


1.0000


398.8717, 0.3142,
0.4618


 0.8818, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 71.9930, 0.2964,
0.5794


 71.9930, 0.2964,
0.5794


 71.6233, 0.2979,
0.5923

 72.7417, 0.2954,
0.5593


 73.9580, 0.2954,
0.5330

 75.7060, 0.2964,
0.5025

 78.0381, 0.2982,
0.4699

 81.0005, 0.3006,
0.4373

 84.6347, 0.3035,
0.4062

 88.9786, 0.3066,
0.3776

 94.0672, 0.3097,
0.3519

99.9333, 0.3127,
0.3292

Harmonies

Analogous

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



71.9930, 0.4100, 0.5503



71.9930, 0.2964, 0.5794



71.9930, 0.1920, 0.4699

Triad

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



71.9930, 0.2964, 0.5794



71.9930, 0.1271, 0.1567



71.9930, 0.5350, 0.2965

Complementary

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



71.9930, 0.2964, 0.5794



27.4737, 0.3517, 0.1745

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.



71.9930, 0.4169, 0.2272



71.9930, 0.2964, 0.5794



71.9930, 0.1800, 0.1512

Square

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



71.9930, 0.2964, 0.5794



71.9930, 0.1101, 0.2007



71.9930, 0.2789, 0.1756



71.9930, 0.5647, 0.3735

Rectangle

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



71.9930, 0.2964, 0.5794



71.9930, 0.1439, 0.3561



71.9930, 0.2789, 0.1756



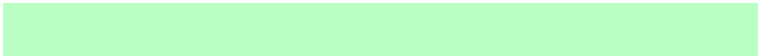
71.9930, 0.5032, 0.2723

Sweetspot

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



71.9951, 0.2964, 0.5794



85.9064, 0.3044, 0.3971



88.1168, 0.3989, 0.5169



18.0891, 0.3034, 0.4072



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.



71.9951, 0.2964, 0.5794



71.6233, 0.2979, 0.5923



74.5167, 0.2594, 0.4481



20.2050, 0.3098, 0.3504



37.4362, 0.2974, 0.5907



3.6561, 0.2931, 0.5753

Inverse Universe

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



27.4737, 0.3517, 0.1745



26.5970, 0.3559, 0.1734



23.1643, 0.5210, 0.2706



18.2590, 0.3157, 0.3085



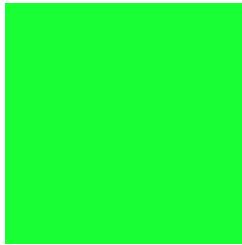
13.9129, 0.3552, 0.1731



1.3651, 0.3508, 0.1706

Previews

White Background



This preview shows how the Yxy color 71.9930, 0.2964, 0.5794 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 71.9930, 0.2964, 0.5794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

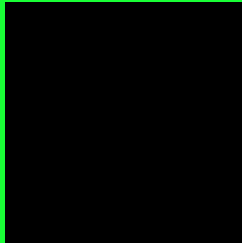
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

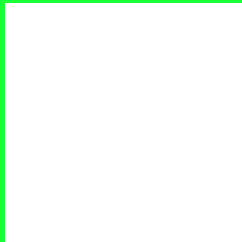
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.9930, 0.2964, 0.5794

Background



This preview shows how black text looks on a background with the Yxy color 71.9930, 0.2964, 0.5794.

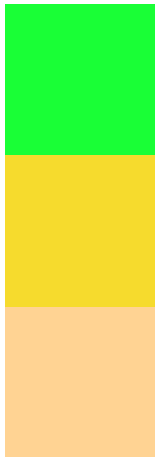


This preview shows how white text looks on a background with the Yxy color 71.9930, 0.2964, 0.5794.

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

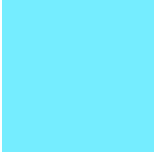
71.9930, 0.2964, 0.5794

Protanopia

70.4453, 0.4342, 0.4793

Deuteranopia

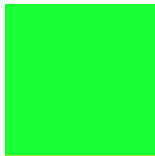
69.9551, 0.3939, 0.3948



Tritanopia

71.5703, 0.2392, 0.3075

Trichromacy



Original Color

71.9930, 0.2964, 0.5794



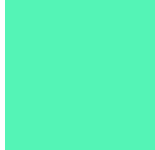
Protanomaly

66.0336, 0.3629, 0.5312



Deuteranomaly

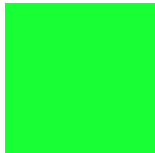
64.7884, 0.3432, 0.4706



Tritanomaly

69.9636, 0.2617, 0.4120

Monochromacy



Original Color

71.9930, 0.2964, 0.5794



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

44.4206, 0.3004, 0.4430

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.9930, 0.2964, 0.5794 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(25, 255, 54)` looks like.

```
.text, #text, p{  
    color:rgb(25, 255, 54)  
}
```

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(25, 255, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 255, 54) }
```

Border

The CSS property to change the border of an element to Yxy 71.9930, 0.2964, 0.5794 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(25, 255, 54) }
```

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

```
.border{ border-color:rgb(25, 255, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 255, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 255, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 255, 54);  
box-shadow:4px 4px 4px 4px rgb(25, 255,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 71.9930, 0.2964, 0.5794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 255, 54) }
```

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

```
.background{ background-color: rgb(25, 255,  
54) }
```

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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