

Converting Colors

$Y_{xy}(71.7833, 0.2944, 0.5799)$

Have a look what the booklet for
Yxy(71.7833, 0.2944, 0.5799)
contains.

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Color

Yxy(71.7958, 0.2944, 0.5799)

Conversions

Conversions Part 1

Format	Color
Hex	00FF37
RGB	0, 255, 55
RGB Percent	0%, 100%, 22%
CMY	1.0000, 0.0000, 0.7839
CMYK	1.00, 0.00, 0.78, 0.00
HSL	133°, 100%, 50%
HSV	133°, 100%, 100%
XYZ	36.4488, 71.7958, 15.5626
YIQ	155.9550, -87.7800, -116.2600

Conversions

Conversions Part 2

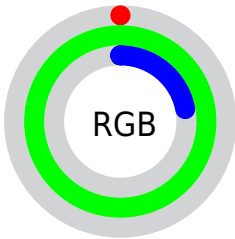
Format	Color
RYB	0, 210, 255
Decimal	65335
CIELab	87.87, -84.46, 74.52
CIELCh	88, 112.630, 138.577
Yxy	71.7958, 0.2944, 0.5799
Android (android.graphics.Color)	4278255415 (0xFF00FF37)
YUV	155.9550, -49.7708, -136.7725
Hunter-Lab	84.7324, -71.4974, 48.4231

Details

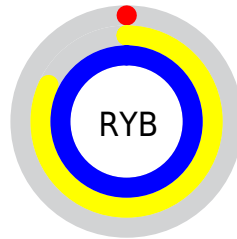
The Yxy color **71.7958, 0.2944, 0.5799** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **25.4255, 0.3859, 0.1900**, and the grayscale version is **33.4854, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7263, 0.3055, 0.5032**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.7968, 0.2944, 0.5799**, and if you desaturate by 10%, it is **72.2423, 0.2918, 0.5629**.

Distribution



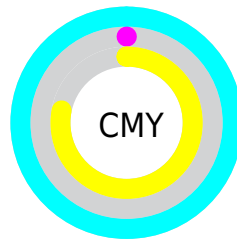
- Red (0%)
- Green (100%)
- Blue (22%)



- Red (0%)
- Yellow (82%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (78%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.7958, 0.2944, 0.5799 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 71.7958, 0.2944, 0.5799 by changing the saturation by 10% instead.

 71.7958, 0.2944,
0.5799


 71.7958, 0.2944,
0.5799


466.8305, 0.3136,
0.4543

 52.9919, 0.2868,
0.6090

 121.7662, 0.3036,
0.5355


 37.7963, 0.2757,
0.6444


 153.7014, 0.3064,
0.5183


 25.8246, 0.2592,
0.6874


 190.7825, 0.3086,
0.5037

 16.6925, 0.2345,
0.7406

 233.3940, 0.3102,
0.4910

 10.0155, 0.1967,
0.8033

 281.9201, 0.3114,
0.4800

 5.4092, 0.1387,
0.8613


336.7453, 0.3123,

 2.4893, 0.0000,


0.4704

1.0000


398.2540, 0.3131,
0.4619

 0.8713, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 71.7958, 0.2944,
0.5799


 71.7958, 0.2944,
0.5799

 71.7968, 0.2944,
0.5799


 72.2423, 0.2918,
0.5629


 73.0515, 0.2901,
0.5406

 74.3164, 0.2897,
0.5140


 76.0957, 0.2907,
0.4849

 78.4387, 0.2929,
0.4548

 81.3890, 0.2960,
0.4254

 84.9857, 0.2998,
0.3976

 89.2647, 0.3040,
0.3721

 94.2591, 0.3084,
0.3492

Harmonies

Analogous

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



71.7958, 0.4084, 0.5520



71.7958, 0.2944, 0.5799



71.7958, 0.1902, 0.4679

Triad

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



71.7958, 0.2944, 0.5799



71.7958, 0.1271, 0.1559



71.7958, 0.5370, 0.2974

Complementary

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



71.7958, 0.2944, 0.5799



25.4255, 0.3859, 0.1900

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.



71.7958, 0.4194, 0.2278



71.7958, 0.2944, 0.5799



71.7958, 0.1808, 0.1509

Square

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



71.7958, 0.2944, 0.5799



71.7958, 0.1097, 0.1992



71.7958, 0.2806, 0.1758



71.7958, 0.5652, 0.3747

Rectangle

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



71.7958, 0.2944, 0.5799



71.7958, 0.1425, 0.3536



71.7958, 0.2806, 0.1758



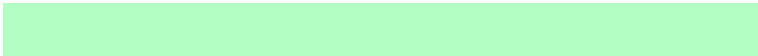
71.7958, 0.5055, 0.2731

Sweetspot

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



71.7968, 0.2944, 0.5799



84.9857, 0.2998, 0.3976



84.3574, 0.3837, 0.5336



17.8485, 0.2982, 0.4091



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.



71.7968, 0.2944, 0.5799



74.7545, 0.2533, 0.4319



20.2324, 0.3086, 0.3482



37.5331, 0.2938, 0.5775



3.6698, 0.2882, 0.5575

Inverse Universe

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



25.4255, 0.3859, 0.1900



21.7888, 0.5811, 0.2975



18.2292, 0.3171, 0.3106



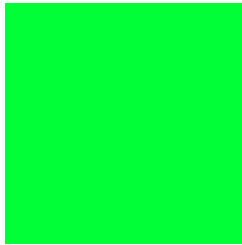
13.3084, 0.3846, 0.1892



1.3117, 0.3759, 0.1844

Previews

White Background



This preview shows how the Yxy color 71.7958, 0.2944, 0.5799 looks on a white background.

Color Contrast Check

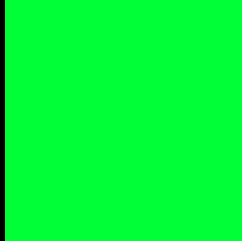
Large Text (above 18pt) WCAG AA × Fail

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 71.7958, 0.2944, 0.5799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

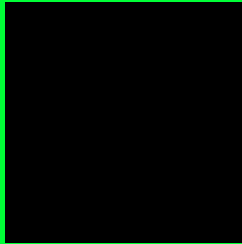
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

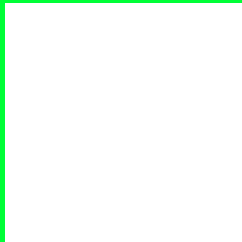
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.7958, 0.2944, 0.5799

Background



This preview shows how black text looks on a background with the Yxy color 71.7958, 0.2944, 0.5799.

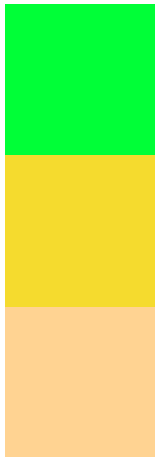


This preview shows how white text looks on a background with the Yxy color 71.7958, 0.2944, 0.5799.

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

71.7958, 0.2944, 0.5799

Protanopia

70.2728, 0.4331, 0.4795

Deuteranopia

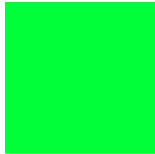
69.9239, 0.3947, 0.3958



Tritanopia

71.4332, 0.2385, 0.3075

Trichromacy



Original Color

71.7958, 0.2944, 0.5799



Protanomaly

65.0029, 0.3555, 0.5359



Deuteranomaly

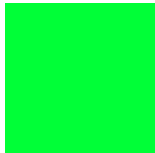
63.8118, 0.3366, 0.4737



Tritanomaly

69.4952, 0.2585, 0.4126

Monochromacy



Original Color

71.7958, 0.2944, 0.5799



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

41.6838, 0.2936, 0.4479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.7958, 0.2944, 0.5799 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, 55)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 55)  
}
```

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, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 55) }
```

Border

The CSS property to change the border of an element to Yxy 71.7958, 0.2944, 0.5799 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, 55) }
```

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

```
.border{ border-color:rgb(0, 255, 55) }
```

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, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 55);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 55)  
}
```

Background

The CSS property to change the background color of an element to Yxy 71.7958, 0.2944, 0.5799 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, 55) }
```

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

```
.background{ background-color: rgb(0, 255,  
55) }
```

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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