

Converting Colors

$Y_{xy}(71.8169, 0.2959, 0.5827)$

Have a look what the booklet for
Yxy(71.8169, 0.2959, 0.5827)
contains.

| | |
|--|----|
| Yxy(71.8214, 0.2959, 0.5827) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(71.8214, 0.2959, 0.5827)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 0BFF32 |
| RGB | 11, 255, 50 |
| RGB Percent | 4%, 100%, 20% |
| CMY | 0.9580, 0.0000, 0.8037 |
| CMYK | 0.96, 0.00, 0.80, 0.00 |
| HSL | 130°, 100%, 52% |
| HSV | 130°, 96%, 100% |
| XYZ | 36.4715, 71.8214, 14.9633 |
| YIQ | 158.6740, -79.6190, -115.4830 |

Conversions

Conversions Part 2

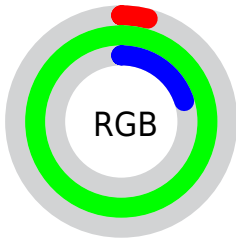
| Format | Color |
|-------------------------------------|----------------------------------|
| R_{YB} | 11, 221, 255 |
| Decimal | 786226 |
| CIE _{Lab} | 87.88, -84.43, 75.90 |
| CIE _{LCh} | 88, 113.532, 138.047 |
| Yxy | 71.8214, 0.2959, 0.5827 |
| Android (android.graphics.Color) | 4278976306 (0xFF0BFF32) |
| YUV | 158.6740, -53.5763, -129.5101 |
| Hunter-Lab | 84.7475, -71.4898, 48.8548 |

Details

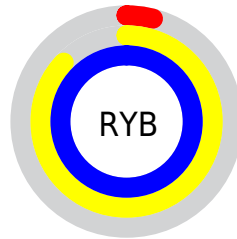
The Yxy color **71.8214, 0.2959, 0.5827** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **26.4319, 0.3650, 0.1796**, and the grayscale version is **34.7500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7053, 0.3075, 0.5074**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.6807, 0.2967, 0.5881**, and if you desaturate by 10%, it is **72.3593, 0.2941, 0.5652**.

Distribution



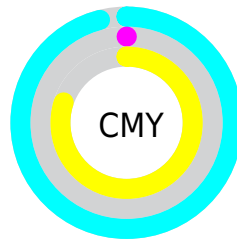
- Red (4%)
- Green (100%)
- Blue (20%)



- Red (4%)
- Yellow (87%)
- Blue (100%)



- Cyan (96%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)




- Cyan (96%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.8214, 0.2959, 0.5827 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 71.8214, 0.2959, 0.5827 by changing the saturation by 10% instead.


 71.8214, 0.2959,
0.5827


 71.8214, 0.2959,
0.5827


466.9197, 0.3148,
0.4559


 53.0128, 0.2882,
0.6119


 121.8026, 0.3051,
0.5380

 37.8130, 0.2770,
0.6473


 153.7439, 0.3079,
0.5207


 25.8376, 0.2603,
0.6901


 190.8317, 0.3100,
0.5059

 16.7022, 0.2356,
0.7437

 233.4502, 0.3115,
0.4931

 10.0224, 0.1968,
0.8032

 281.9838, 0.3127,
0.4820

 5.4138, 0.1389,
0.8611

336.8170, 0.3136,

 2.4920, 0.0000,

0.4722

1.0000

398.3342, 0.3143,
0.4636

■ 0.8726, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 71.8214, 0.2959,
0.5827

■ 71.8214, 0.2959,
0.5827


■ 71.6807, 0.2967,
0.5881


■ 72.3593, 0.2941,
0.5652


■ 73.3218, 0.2932,
0.5415


■ 74.7759, 0.2935,
0.5132


■ 76.7775, 0.2949,
0.4822

 79.3750, 0.2972,
0.4505

 82.6111, 0.3001,
0.4196

 86.5248, 0.3035,
0.3908

 91.1520, 0.3071,
0.3646

 96.5257, 0.3107,
0.3412

Harmonies

Analogous

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



71.8214, 0.4104, 0.5519



71.8214, 0.2959, 0.5827



71.8214, 0.1908, 0.4722

Triad

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



71.8214, 0.2959, 0.5827



71.8214, 0.1256, 0.1553



71.8214, 0.5372, 0.2957

Complementary

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



71.8214, 0.2959, 0.5827



26.4319, 0.3650, 0.1796

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.



71.8214, 0.4176, 0.2260



71.8214, 0.2959, 0.5827



71.8214, 0.1787, 0.1498

Square

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



71.8214, 0.2959, 0.5827



71.8214, 0.1086, 0.1995



71.8214, 0.2781, 0.1743



71.8214, 0.5670, 0.3730

Rectangle

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



71.8214, 0.2959, 0.5827



71.8214, 0.1424, 0.3566



71.8214, 0.2781, 0.1743



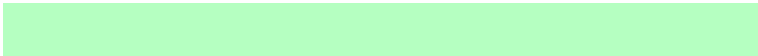
71.8214, 0.5050, 0.2714

Sweetspot

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



71.8199, 0.2959, 0.5827



85.1984, 0.3024, 0.3998



86.5036, 0.3931, 0.5245



17.8808, 0.3010, 0.4121



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.



71.8199, 0.2959, 0.5827



71.6807, 0.2967, 0.5881



74.4723, 0.2574, 0.4447



20.2159, 0.3093, 0.3495



37.4687, 0.2962, 0.5862



3.6612, 0.2913, 0.5685

Inverse Universe

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



26.4319, 0.3650, 0.1796



26.1109, 0.3674, 0.1797



22.3407, 0.5507, 0.2830



18.2471, 0.3163, 0.3093



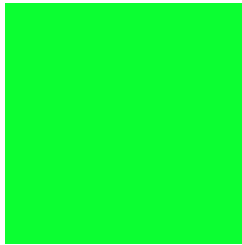
13.6623, 0.3665, 0.1792



1.3431, 0.3604, 0.1759

Previews

White Background



This preview shows how the Yxy color 71.8214, 0.2959, 0.5827 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 71.8214, 0.2959, 0.5827 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

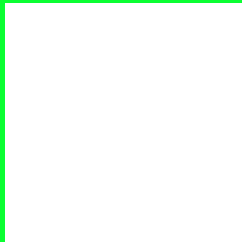
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.8214, 0.2959, 0.5827

Background



This preview shows how black text looks on a background with the Yxy color 71.8214, 0.2959, 0.5827.



This preview shows how white text looks on a background with the Yxy color 71.8214, 0.2959, 0.5827.

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

71.8214, 0.2959, 0.5827

Protanopia

70.2356, 0.4344, 0.4813

Deuteranopia

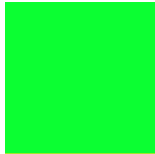
69.9239, 0.3947, 0.3958



Tritanopia

71.4332, 0.2385, 0.3075

Trichromacy



Original Color

71.8214, 0.2959, 0.5827



Protanomaly

65.3687, 0.3595, 0.5364



Deuteranomaly

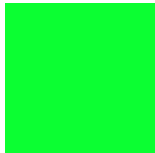
64.1929, 0.3406, 0.4746



Tritanomaly

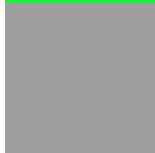
69.5744, 0.2605, 0.4153

Monochromacy



Original Color

71.8214, 0.2959, 0.5827



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

42.9187, 0.2976, 0.4489

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.8214, 0.2959, 0.5827 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(11, 255, 50)` looks like.

```
.text, #text, p{  
    color:rgb(11, 255, 50)  
}
```

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(11, 255, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 255, 50) }
```

Border

The CSS property to change the border of an element to Yxy 71.8214, 0.2959, 0.5827 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(11, 255, 50) }
```

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

```
.border{ border-color:rgb(11, 255, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 255, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 255, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 255, 50);  
box-shadow:4px 4px 4px 4px rgb(11, 255,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 71.8214, 0.2959, 0.5827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 255, 50) }
```

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

```
.background{ background-color: rgb(11, 255,  
50) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor