

Converting Colors

$Y_{xy}(66.2119, 0.2998, 0.5910)$

Have a look what the booklet for
Yxy(66.2119, 0.2998, 0.5910)
contains.

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Color

Yxy(66.2119, 0.2998, 0.5910)

Conversions

Conversions Part 1

Format	Color
Hex	19F61E
RGB	25, 246, 30
RGB Percent	10%, 96%, 12%
CMY	0.9025, 0.0353, 0.8825
CMYK	0.90, 0.00, 0.88, 0.04
HSL	121°, 92%, 53%
HSV	121°, 90%, 96%
XYZ	33.5877, 66.2119, 12.2341
YIQ	155.2970, -62.3800, -114.0280

Conversions

Conversions Part 2

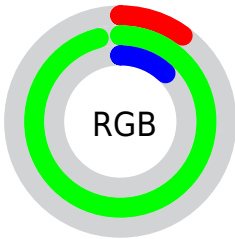
Format	Color
R_{YB}	25, 241, 246
Decimal	1701406
CIE _{Lab}	85.10, -82.30, 77.81
CIE _{LCh}	85, 113.258, 136.606
Yxy	66.2119, 0.2998, 0.5910
Android (android.graphics.Color)	4279891486 (0xFF19F61E)
YUV	155.2970, -61.7714, -114.2705
Hunter-Lab	81.3707, -68.7186, 48.0452

Details

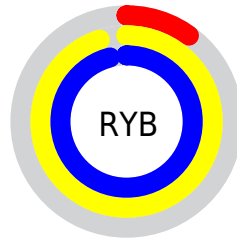
The Yxy color **66.2119, 0.2998, 0.5910** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **26.6287, 0.3261, 0.1601**, and the grayscale version is **33.1963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5777, 0.3134, 0.5207**, and **35.9664, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **65.9309, 0.2997, 0.5989**, and if you desaturate by 10%, it is **66.8469, 0.3002, 0.5747**.

Distribution



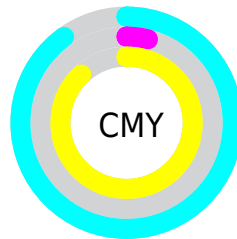
- Red (10%)
- Green (96%)
- Blue (12%)



- Red (10%)
- Yellow (95%)
- Blue (96%)



- Cyan (90%)
- Magenta (0%)
- Yellow (88%)
- Black (4%)





- Cyan (90%)
- Magenta (4%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.2119, 0.2998, 0.5910 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 66.2119, 0.2998, 0.5910 by changing the saturation by 10% instead.


 66.2119, 0.2998,
0.5910


 66.2119, 0.2998,
0.5910


447.1343, 0.3182,
0.4591


 48.4444, 0.2917,
0.6214


 113.7904, 0.3093,
0.5444


 34.1790, 0.2795,
0.6580


 144.3703, 0.3120,
0.5264


 23.0311, 0.2610,
0.7017


 179.9897, 0.3140,
0.5110

 14.6165, 0.2360,
0.7640

 221.0331, 0.3154,
0.4977

 8.5507, 0.1894,
0.8106

 267.8848, 0.3165,
0.4861

 4.4493, 0.1245,
0.8755

 320.9294, 0.3172,

 1.9279, 0.0000,

0.4760

1.0000

380.5511, 0.3178,
0.4670

■ 0.5651, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.2119, 0.2998,
0.5910

■ 66.2119, 0.2998,
0.5910

■ 65.9309, 0.2997,
0.5989


■ 66.8469, 0.3002,
0.5747


■ 65.9288, 0.2997,
0.5990


■ 67.9247, 0.3010,
0.5502


■ 69.5101, 0.3023,
0.5193

■ 71.6549, 0.3040,
0.4847

 74.4049, 0.3058,
0.4491

 77.8011, 0.3077,
0.4147

 81.8807, 0.3095,
0.3827

 86.6782, 0.3112,
0.3540

 92.2260, 0.3127,
0.3288

Harmonies

Analogous

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



66.2119, 0.4160, 0.5517



66.2119, 0.2998, 0.5910



66.2119, 0.1921, 0.4845

Triad

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



66.2119, 0.2998, 0.5910



66.2119, 0.1210, 0.1533



66.2119, 0.5384, 0.2907

Complementary

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



66.2119, 0.2998, 0.5910



26.6287, 0.3261, 0.1601

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.



66.2119, 0.4128, 0.2209



66.2119, 0.2998, 0.5910



66.2119, 0.1725, 0.1464

Square

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



66.2119, 0.2998, 0.5910



66.2119, 0.1054, 0.2000



66.2119, 0.2711, 0.1697



66.2119, 0.5728, 0.3682

Rectangle

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



66.2119, 0.2998, 0.5910



66.2119, 0.1416, 0.3650



66.2119, 0.2711, 0.1697



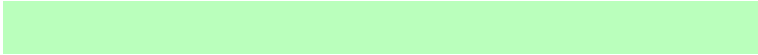
66.2119, 0.5041, 0.2663

Sweetspot

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



66.2146, 0.2998, 0.5910



85.5974, 0.3082, 0.4053



84.9202, 0.4148, 0.5043



18.0187, 0.3076, 0.4166



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.



66.2146, 0.2998, 0.5910



71.5329, 0.2997, 0.5990



67.9887, 0.2685, 0.4801



18.4782, 0.3113, 0.3529



35.1905, 0.2996, 0.5986



3.0950, 0.2986, 0.5949

Inverse Universe

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



26.6287, 0.3261, 0.1601



28.1071, 0.3269, 0.1574



21.9423, 0.4820, 0.2488



16.7613, 0.3142, 0.3062



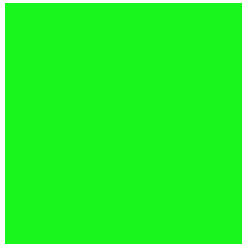
13.8294, 0.3268, 0.1574



1.2175, 0.3260, 0.1569

Previews

White Background



This preview shows how the Yxy color 66.2119, 0.2998, 0.5910 looks on a white background.

Color Contrast Check

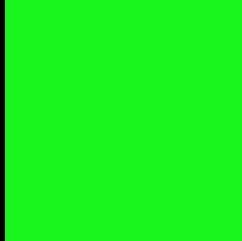
Large Text (above 18pt) WCAG AA × Fail

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 66.2119, 0.2998, 0.5910 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 66.2119, 0.2998, 0.5910

Background



This preview shows how black text looks on a background with the Yxy color 66.2119, 0.2998, 0.5910.

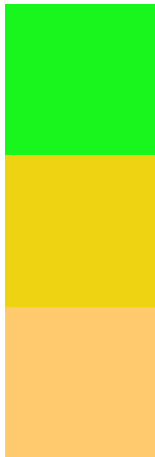


This preview shows how white text looks on a background with the Yxy color 66.2119, 0.2998, 0.5910.

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

66.2119, 0.2998, 0.5910

Protanopia

64.6335, 0.4389, 0.4864

Deuteranopia

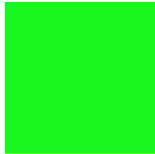
64.6052, 0.4250, 0.4216



Tritanopia

65.7573, 0.2362, 0.3067

Trichromacy



Original Color

66.2119, 0.2998, 0.5910



Protanomaly

60.8428, 0.3672, 0.5410



Deuteranomaly

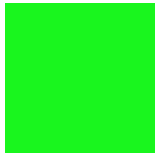
59.3799, 0.3626, 0.4971



Tritanomaly

63.7803, 0.2636, 0.4230

Monochromacy



Original Color

66.2119, 0.2998, 0.5910



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

40.2804, 0.3053, 0.4558

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.2119, 0.2998, 0.5910 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, 246, 30)` looks like.

```
.text, #text, p{  
    color:rgb(25, 246, 30)  
}
```

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, 246, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 246, 30) }
```

Border

The CSS property to change the border of an element to Yxy 66.2119, 0.2998, 0.5910 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, 246, 30) }
```

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

```
.border{ border-color:rgb(25, 246, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 246, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 246, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 246, 30);  
box-shadow:4px 4px 4px 4px rgb(25, 246,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 66.2119, 0.2998, 0.5910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 246, 30) }
```

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

```
.background{ background-color: rgb(25, 246,  
30) }
```

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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