

Converting Colors

$Y_{xy}(57.9774, 0.3012, 0.5940)$

Have a look what the booklet for
Yxy(57.9774, 0.3012, 0.5940)
contains.

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Color

Yxy(57.9765, 0.3012, 0.5941)

Conversions

Conversions Part 1

Format	Color
Hex	1AE812
RGB	26, 232, 18
RGB Percent	10%, 91%, 7%
CMY	0.8979, 0.0902, 0.9290
CMYK	0.89, 0.00, 0.92, 0.09
HSL	118°, 86%, 49%
HSV	118°, 92%, 91%
XYZ	29.3932, 57.9765, 10.2174
YIQ	146.0100, -54.0820, -110.2260

Conversions

Conversions Part 2

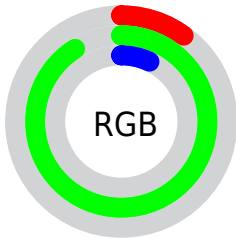
Format	Color
RYB	18, 232, 224
Decimal	1763346
CIELab	80.73, -78.80, 75.88
CIELCh	81, 109.397, 136.080
Yxy	57.9765, 0.3012, 0.5941
Android (android.graphics.Color)	4279953426 (0xFF1AE812)
YUV	146.0100, -63.1089, -105.2488
Hunter-Lab	76.1423, -64.3426, 45.3436

Details

The Yxy color **57.9765, 0.3012, 0.5941** 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 **22.1198, 0.3122, 0.1516**, and the grayscale version is **29.0412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1443, 0.3142, 0.5297**, and **30.6599, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **57.7702, 0.3006, 0.5995**, and if you desaturate by 10%, it is **58.5147, 0.3025, 0.5803**.

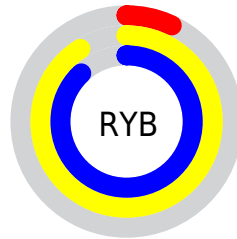
Distribution



Red (10%)

Green (91%)

Blue (7%)



Red (7%)

Yellow (91%)

Blue (88%)

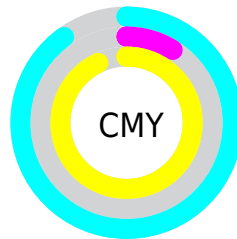


Cyan (89%)

Magenta (0%)

Yellow (92%)

Black (9%)



Cyan (90%)

Magenta (9%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.9765, 0.3012, 0.5941 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 57.9765, 0.3012, 0.5941 by changing the saturation by 10% instead.

 57.9765, 0.3012,
0.5941

 57.9765, 0.3012,
0.5941


417.0984, 0.3195,
0.4579


 41.7898, 0.2925,
0.6261


 101.8886, 0.3110,
0.5454

 28.9367, 0.2792,
0.6647


 130.3828, 0.3138,
0.5268


 19.0329, 0.2587,
0.7111


 163.7483, 0.3157,
0.5109

 11.6941, 0.2283,
0.7717

 202.3694, 0.3170,
0.4972

 6.5357, 0.1766,
0.8234

 246.6306, 0.3180,
0.4854

 3.1735, 0.0750,
0.9250

 296.9162, 0.3187,

 1.2230, 0.0000,

0.4751

1.0000

353.6107, 0.3192,
0.4660

■ 0.0803, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.9765, 0.3012,
0.5941

■ 57.9765, 0.3012,
0.5941


■ 57.7702, 0.3006,
0.5995


■ 58.5147, 0.3025,
0.5803


■ 59.4198, 0.3040,
0.5580


■ 60.7449, 0.3057,
0.5286

■ 62.5326, 0.3073,
0.4947

 64.8202, 0.3088,
0.4590

 67.6415, 0.3100,
0.4238

 71.0271, 0.3111,
0.3908

 75.0053, 0.3119,
0.3609

 79.6027, 0.3126,
0.3344

Harmonies

Analogous

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



57.9765, 0.4181, 0.5516



57.9765, 0.3012, 0.5941



57.9765, 0.1925, 0.4893

Triad

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



57.9765, 0.3012, 0.5941



57.9765, 0.1192, 0.1525



57.9765, 0.5389, 0.2888

Complementary

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



57.9765, 0.3012, 0.5941



22.1198, 0.3122, 0.1516

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.



57.9765, 0.4110, 0.2189



57.9765, 0.3012, 0.5941



57.9765, 0.1702, 0.1451

Square

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



57.9765, 0.3012, 0.5941



57.9765, 0.1041, 0.2001



57.9765, 0.2684, 0.1680



57.9765, 0.5751, 0.3664

Rectangle

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



57.9765, 0.3012, 0.5941



57.9765, 0.1413, 0.3682



57.9765, 0.2684, 0.1680



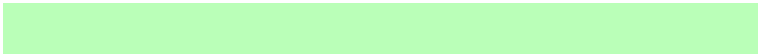
57.9765, 0.5037, 0.2644

Sweetspot

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



57.9789, 0.3012, 0.5941



85.4344, 0.3105, 0.4101



69.0758, 0.4262, 0.4963



17.9177, 0.3100, 0.4248



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.



57.9789, 0.3012, 0.5941



71.5811, 0.3005, 0.5996



59.0674, 0.2750, 0.5050



16.1145, 0.3121, 0.3533



32.0829, 0.3008, 0.5993



2.3799, 0.3032, 0.5975

Inverse Universe

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



22.1198, 0.3122, 0.1516



26.7289, 0.3115, 0.1490



19.3628, 0.4612, 0.2355



14.5865, 0.3132, 0.3058



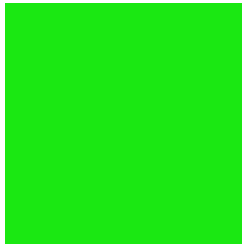
11.9909, 0.3117, 0.1491



0.8946, 0.3131, 0.1499

Previews

White Background



This preview shows how the Yxy color 57.9765, 0.3012, 0.5941 looks on a white background.

Color Contrast Check

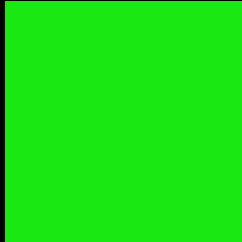
Large Text (above 18pt) WCAG AA × Fail

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 57.9765, 0.3012, 0.5941 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 57.9765, 0.3012, 0.5941

Background



This preview shows how black text looks on a background with the Yxy color 57.9765, 0.3012, 0.5941.



This preview shows how white text looks on a background with the Yxy color 57.9765, 0.3012, 0.5941.

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

57.9765, 0.3012, 0.5941

Protanopia

56.6941, 0.4407, 0.4883

Deuteranopia

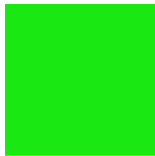
56.3632, 0.4606, 0.4500



Tritanopia

57.7043, 0.2367, 0.3068

Trichromacy



Original Color

57.9765, 0.3012, 0.5941



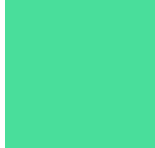
Protanomaly

53.2793, 0.3697, 0.5429



Deuteranomaly

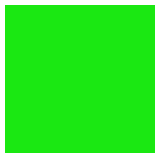
51.6638, 0.3822, 0.5179



Tritanomaly

56.0256, 0.2659, 0.4283

Monochromacy



Original Color

57.9765, 0.3012, 0.5941



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

35.1699, 0.3087, 0.4629

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.9765, 0.3012, 0.5941 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(26, 232, 18)` looks like.

```
.text, #text, p{  
    color:rgb(26, 232, 18)  
}
```

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(26, 232, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 232, 18) }
```

Border

The CSS property to change the border of an element to Yxy 57.9765, 0.3012, 0.5941 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(26, 232, 18) }
```

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

```
.border{ border-color:rgb(26, 232, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 232, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 232, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 232, 18);  
box-shadow:4px 4px 4px 4px rgb(26, 232,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 57.9765, 0.3012, 0.5941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 232, 18) }
```

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

```
.background{ background-color: rgb(26, 232,  
18) }
```

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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