

Converting Colors

$Y_{xy}(57.5269, 0.3041, 0.5967)$

Have a look what the booklet for
Yxy(57.5269, 0.3041, 0.5967)
contains.

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Color

Yxy(57.5451, 0.3042, 0.5967)

Conversions

Conversions Part 1

Format	Color
Hex	25E700
RGB	37, 231, 0
RGB Percent	15%, 91%, 0%
CMY	0.8551, 0.0941, 1.0000
CMYK	0.84, 0.00, 1.00, 0.09
HSL	110°, 100%, 45%
HSV	110°, 100%, 91%
XYZ	29.3367, 57.5451, 9.5571
YIQ	146.6600, -41.4730, -112.9690

Conversions

Conversions Part 2

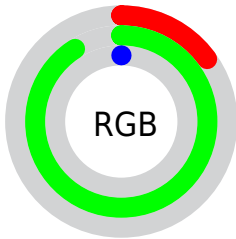
Format	Color
RYB	0, 231, 194
Decimal	2483968
CIELab	80.49, -77.98, 77.47
CIElCh	80, 109.921, 135.188
Yxy	57.5451, 0.3042, 0.5967
Android (android.graphics.Color)	4280674048 (0xFF25E700)
YUV	146.6600, -72.3034, -96.1718
Hunter-Lab	75.8585, -63.7211, 45.6312

Details

The Yxy color **57.5451, 0.3042, 0.5967** 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 **17.2476, 0.2802, 0.1317**, and the grayscale version is **29.3412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3457, 0.3178, 0.5331**, and **30.2721, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **57.5477, 0.3042, 0.5967**, and if you desaturate by 10%, it is **58.0686, 0.3073, 0.5873**.

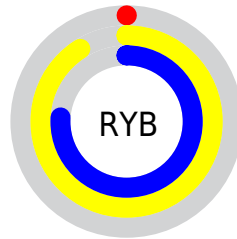
Distribution



Red (15%)

Green (91%)

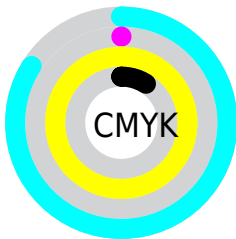
Blue (0%)



Red (0%)

Yellow (91%)

Blue (76%)

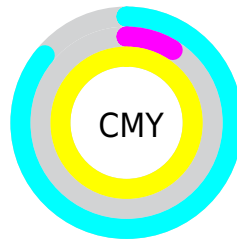


Cyan (84%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (86%)


Magenta (9%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.5451, 0.3042, 0.5967 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 57.5451, 0.3042, 0.5967 by changing the saturation by 10% instead.

 57.5451, 0.3042,
0.5967


 57.5451, 0.3042,
0.5967


415.4887, 0.3216,
0.4596

 41.4430, 0.2955,
0.6286

 101.2601, 0.3138,
0.5479


 28.6654, 0.2821,
0.6669


 129.6419, 0.3165,
0.5291


 18.8279, 0.2614,
0.7132


 162.8857, 0.3183,
0.5131

 11.5460, 0.2299,
0.7701

 201.3759, 0.3196,
0.4993

 6.4353, 0.1780,
0.8220

 245.4969, 0.3204,
0.4874

 3.1116, 0.0749,
0.9251

 295.6331, 0.3210,

 1.1902, 0.0000,

0.4769

1.0000

352.1689, 0.3214,
0.4677

■ 0.0537, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.5451, 0.3042,
0.5967

■ 57.5451, 0.3042,
0.5967

■ 57.5477, 0.3042,
0.5967

■ 58.0686, 0.3073,
0.5873

■ 58.8808, 0.3104,
0.5706

■ 60.0305, 0.3130,
0.5463

■ 61.5509, 0.3149,
0.5163

■ 63.4712, 0.3160,
0.4829

■ 65.8174, 0.3163,
0.4484

■ 68.6136, 0.3159,
0.4148

■ 71.8818, 0.3152,
0.3833

■ 75.6426, 0.3140,
0.3546

Harmonies

Analogous

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



57.5451, 0.4215, 0.5500



57.5451, 0.3042, 0.5967



57.5451, 0.1944, 0.4957

Triad

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



57.5451, 0.3042, 0.5967



57.5451, 0.1174, 0.1524



57.5451, 0.5377, 0.2861

Complementary

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



57.5451, 0.3042, 0.5967



17.2476, 0.2802, 0.1317

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.



57.5451, 0.4071, 0.2164



57.5451, 0.3042, 0.5967



57.5451, 0.1673, 0.1440

Square

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



57.5451, 0.3042, 0.5967



57.5451, 0.1032, 0.2015



57.5451, 0.2644, 0.1661



57.5451, 0.5770, 0.3636

Rectangle

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



57.5451, 0.3042, 0.5967



57.5451, 0.1421, 0.3737



57.5451, 0.2644, 0.1661



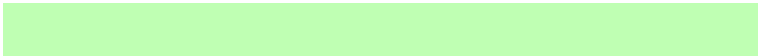
57.5451, 0.5014, 0.2617

Sweetspot

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



57.5477, 0.3042, 0.5967



85.7964, 0.3160, 0.4153



54.9116, 0.4527, 0.4788



18.0322, 0.3162, 0.4294



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.



57.5477, 0.3042, 0.5967



71.9869, 0.3040, 0.5968



57.6913, 0.2871, 0.5537



16.1993, 0.3140, 0.3531



32.2948, 0.3048, 0.5962



2.4203, 0.3132, 0.5895

Inverse Universe

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



17.2476, 0.2802, 0.1317



21.5492, 0.2800, 0.1316



19.3232, 0.4292, 0.2138



14.4924, 0.3112, 0.3057



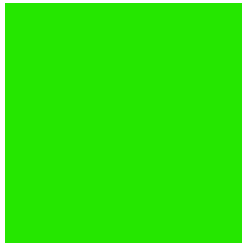
9.7141, 0.2809, 0.1321



0.7492, 0.2871, 0.1355

Previews

White Background



This preview shows how the Yxy color 57.5451, 0.3042, 0.5967 looks on a white background.

Color Contrast Check

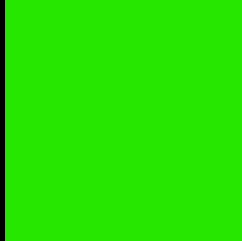
Large Text (above 18pt) WCAG AA × Fail

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 57.5451, 0.3042, 0.5967 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 57.5451, 0.3042, 0.5967

Background



This preview shows how black text looks on a background with the Yxy color 57.5451, 0.3042, 0.5967.



This preview shows how white text looks on a background with the Yxy color 57.5451, 0.3042, 0.5967.

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

57.5451, 0.3042, 0.5967

Protanopia

56.0761, 0.4408, 0.4882

Deuteranopia

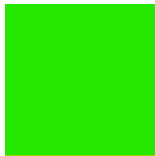
56.3365, 0.4617, 0.4514



Tritanopia

57.2519, 0.2376, 0.3067

Trichromacy



Original Color

57.5451, 0.3042, 0.5967



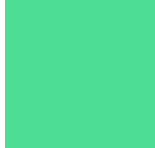
Protanomaly

53.0617, 0.3733, 0.5418



Deuteranomaly

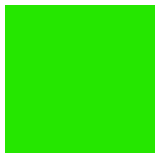
52.0607, 0.3875, 0.5191



Tritanomaly

55.4707, 0.2710, 0.4377

Monochromacy



Original Color

57.5451, 0.3042, 0.5967



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

35.7747, 0.3158, 0.4707

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.5451, 0.3042, 0.5967 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(37, 231, 0)` looks like.

```
.text, #text, p{  
    color:rgb(37, 231, 0)  
}
```

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(37, 231, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 231, 0) }
```

Border

The CSS property to change the border of an element to Yxy 57.5451, 0.3042, 0.5967 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(37, 231, 0) }
```

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

```
.border{ border-color:rgb(37, 231, 0) }
```

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

Here you see how a box with a 4 pixel rgb(37, 231, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 231, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 231, 0);  
box-shadow:4px 4px 4px 4px rgb(37, 231, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 57.5451, 0.3042, 0.5967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 231, 0) }
```

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

```
.background{ background-color: rgb(37, 231,  
0) }
```

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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