

Converting Colors

$Y_{xy}(57.3821, 0.2942, 0.5791)$

Have a look what the booklet for
Yxy(57.3821, 0.2942, 0.5791)
contains.

Yxy(57.3821, 0.2942, 0.5791)	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(57.3821, 0.2942, 0.5791)

Conversions

Conversions Part 1

Format	Color
Hex	00E732
RGB	0, 231, 50
RGB Percent	0%, 91%, 20%
CMY	0.9998, 0.0941, 0.8040
CMYK	1.00, 0.00, 0.78, 0.09
HSL	133°, 100%, 45%
HSV	133°, 100%, 91%
XYZ	29.1518, 57.3821, 12.5545
YIQ	141.2970, -79.5750, -105.2630

Conversions

Conversions Part 2

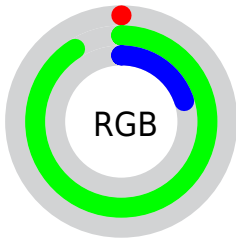
Format	Color
RYB	0, 190, 231
Decimal	59186
CIELab	80.39, -78.30, 68.85
CIELCh	80, 104.265, 138.673
Yxy	57.3821, 0.2942, 0.5791
Android (android.graphics.Color)	4278249266 (0xFF00E732)
YUV	141.2970, -45.0094, -123.9175
Hunter-Lab	75.7510, -63.8707, 43.1993

Details

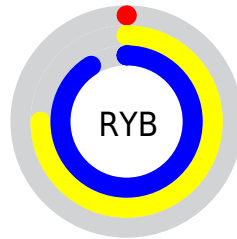
The Yxy color **57.3821, 0.2942, 0.5791** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **20.3304, 0.3855, 0.1898**, and the grayscale version is **26.9706, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0905, 0.3050, 0.5127**, and **30.2721, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **57.3836, 0.2942, 0.5791**, and if you desaturate by 10%, it is **57.7565, 0.2917, 0.5619**.

Distribution



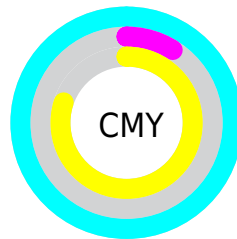
- Red (0%)
- Green (91%)
- Blue (20%)



- Red (0%)
- Yellow (75%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (78%)
- Black (9%)





- Cyan (100%)
- Magenta (9%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.3821, 0.2942, 0.5791 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 57.3821, 0.2942, 0.5791 by changing the saturation by 10% instead.


 57.3821, 0.2942,
0.5791


 57.3821, 0.2942,
0.5791


414.8795, 0.3138,
0.4490

 41.3121, 0.2859,
0.6107


 101.0225, 0.3039,
0.5319


 28.5630, 0.2734,
0.6497


 129.3617, 0.3068,
0.5141


 18.7505, 0.2542,
0.6977


 162.5594, 0.3089,
0.4990

 11.4901, 0.2276,
0.7687

 201.0000, 0.3104,
0.4860

 6.3975, 0.1763,
0.8237

 245.0680, 0.3116,
0.4749

 3.0883, 0.0706,
0.9294

295.1476, 0.3125,

 1.1780, 0.0000,

0.4651

1.0000

351.6233, 0.3132,
0.4566

■ 0.0436, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.3821, 0.2942,
0.5791

■ 57.3821, 0.2942,
0.5791

■ 57.3836, 0.2942,
0.5791

■ 57.7565, 0.2917,
0.5619

■ 58.4160, 0.2900,
0.5395

■ 59.4382, 0.2897,
0.5129

■ 60.8686, 0.2907,
0.4838

■ 62.7460, 0.2929,
0.4539

■ 65.1044, 0.2961,
0.4247

■ 67.9745, 0.2999,
0.3971

■ 71.3844, 0.3041,
0.3718

■ 75.3603, 0.3084,
0.3491

Harmonies

Analogous

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



57.3821, 0.4080, 0.5519



57.3821, 0.2942, 0.5791



57.3821, 0.1902, 0.4670

Triad

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



57.3821, 0.2942, 0.5791



57.3821, 0.1275, 0.1561



57.3821, 0.5367, 0.2978

Complementary

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



57.3821, 0.2942, 0.5791



20.3304, 0.3855, 0.1898

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.



57.3821, 0.4197, 0.2282



57.3821, 0.2942, 0.5791



57.3821, 0.1813, 0.1513

Square

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



57.3821, 0.2942, 0.5791



57.3821, 0.1100, 0.1993



57.3821, 0.2811, 0.1762



57.3821, 0.5646, 0.3750

Rectangle

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



57.3821, 0.2942, 0.5791



57.3821, 0.1427, 0.3531



57.3821, 0.2811, 0.1762



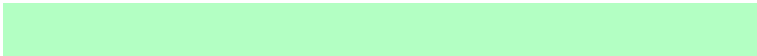
57.3821, 0.5054, 0.2735

Sweetspot

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



57.3845, 0.2942, 0.5791



84.9860, 0.2998, 0.3976



67.4454, 0.3839, 0.5334



17.8486, 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.



57.3845, 0.2942, 0.5791



71.7970, 0.2944, 0.5799



59.7530, 0.2531, 0.4312



16.1399, 0.3086, 0.3479



32.1839, 0.2936, 0.5768



2.3919, 0.2861, 0.5499

Inverse Universe

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



20.3304, 0.3855, 0.1898



25.4244, 0.3859, 0.1900



17.4249, 0.5797, 0.2967



14.5591, 0.3171, 0.3108



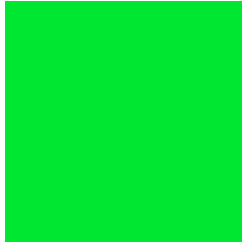
11.4151, 0.3843, 0.1891



0.8568, 0.3732, 0.1830

Previews

White Background



This preview shows how the Yxy color 57.3821, 0.2942, 0.5791 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 57.3821, 0.2942, 0.5791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

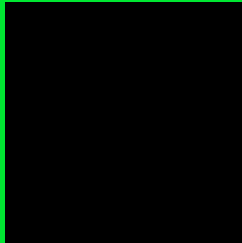
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.3821, 0.2942, 0.5791

Background



This preview shows how black text looks on a background with the Yxy color 57.3821, 0.2942, 0.5791.



This preview shows how white text looks on a background with the Yxy color 57.3821, 0.2942, 0.5791.

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

57.3821, 0.2942, 0.5791

Protanopia

56.0849, 0.4330, 0.4787

Deuteranopia

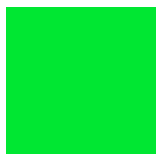
56.1703, 0.4520, 0.4422



Tritanopia

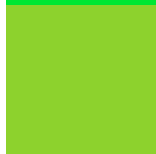
56.9709, 0.2349, 0.3053

Trichromacy



Original Color

57.3821, 0.2942, 0.5791



Protanomaly

51.9454, 0.3552, 0.5347



Deuteranomaly

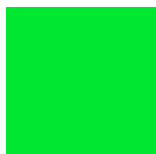
50.7016, 0.3655, 0.5096



Tritanomaly

55.4582, 0.2566, 0.4106

Monochromacy



Original Color

57.3821, 0.2942, 0.5791



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

33.5285, 0.2938, 0.4465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.3821, 0.2942, 0.5791 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, 231, 50)` looks like.

```
.text, #text, p{  
    color:rgb(0, 231, 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(0, 231, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 231, 50) }
```

Border

The CSS property to change the border of an element to Yxy 57.3821, 0.2942, 0.5791 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, 231, 50) }
```

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

```
.border{ border-color:rgb(0, 231, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 231, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 231, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 231, 50);  
box-shadow:4px 4px 4px 4px rgb(0, 231, 50)  
}
```


Background

The CSS property to change the background color of an element to Yxy 57.3821, 0.2942, 0.5791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 231, 50) }
```

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

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