

Converting Colors

$Y_{xy}(61.4208, 0.2818, 0.5345)$

Have a look what the booklet for
Yxy(61.4208, 0.2818, 0.5345)
contains.

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Color

Yxy(61.4129, 0.2816, 0.5339)

Conversions

Conversions Part 1

Format	Color
Hex	00ED60
RGB	0, 237, 96
RGB Percent	0%, 93%, 38%
CMY	1.0000, 0.0706, 0.6234
CMYK	1.00, 0.00, 0.59, 0.07
HSL	144°, 100%, 46%
HSV	144°, 100%, 93%
XYZ	32.3916, 61.4129, 21.2225
YIQ	150.0630, -95.9910, -94.0950

Conversions

Conversions Part 2

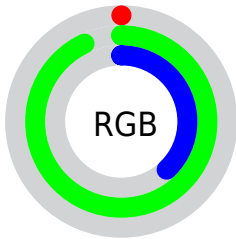
Format	Color
RYB	0, 169, 237
Decimal	60768
CIELab	82.60, -75.75, 54.04
CIELCh	83, 93.052, 144.497
Yxy	61.4129, 0.2816, 0.5339
Android (android.graphics.Color)	4278250848 (0xFF00ED60)
YUV	150.0630, -26.6531, -131.6053
Hunter-Lab	78.3664, -63.3608, 38.8001

Details

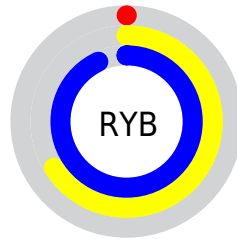
The Yxy color **61.4129, 0.2816, 0.5339** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed spring green. A complement of this color would be **19.9282, 0.4588, 0.2301**, and the grayscale version is **30.6776, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1668, 0.2883, 0.4639**, and **32.4003, 0.2929, 0.5745** is the 20% darker color. If you saturate the color by 10%, you get **61.4191, 0.2816, 0.5339**, and if you desaturate by 10%, it is **61.8931, 0.2782, 0.5143**.

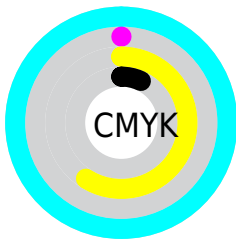
Distribution



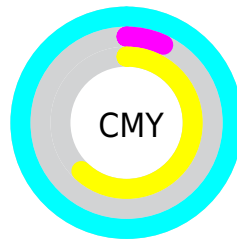
- Red (0%)
- Green (93%)
- Blue (38%)



- Red (0%)
- Yellow (66%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (59%)
- Black (7%)





- Cyan (100%)
- Magenta (7%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.4129, 0.2816, 0.5339 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 61.4129, 0.2816, 0.5339 by changing the saturation by 10% instead.


 61.4129, 0.2816,
0.5339

 61.4129, 0.2816,
0.5339


429.7863, 0.3029,
0.4274

 44.5585, 0.2745,
0.5607


 106.8766, 0.2907,
0.4948


 31.1098, 0.2646,
0.5947


 136.2546, 0.2937,
0.4802


 20.6825, 0.2498,
0.6387


 170.5759, 0.2961,
0.4679

 12.8921, 0.2272,
0.6965

 210.2250, 0.2980,
0.4574

 7.3543, 0.1950,
0.7887

 255.5862, 0.2996,
0.4483

 3.6846, 0.1255,
0.8745

307.0438, 0.3009,

 1.4988, 0.0000,

0.4404

1.0000

364.9824, 0.3020,
0.4335

■ 0.2879, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.4129, 0.2816,
0.5339

■ 61.4129, 0.2816,
0.5339


■ 61.4191, 0.2816,
0.5339


■ 61.8931, 0.2782,
0.5143


■ 62.6489, 0.2763,
0.4926

■ 63.7619, 0.2762,
0.4696


■ 65.2772, 0.2781,
0.4462

 67.2333, 0.2816,
0.4230

 69.6635, 0.2865,
0.4009

 72.5981, 0.2923,
0.3802

 76.0648, 0.2988,
0.3613

 80.0890, 0.3057,
0.3442

Harmonies

Analogous

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



61.4129, 0.3857, 0.5399



61.4129, 0.2816, 0.5339



61.4129, 0.1910, 0.4200

Triad

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



61.4129, 0.2816, 0.5339



61.4129, 0.1510, 0.1693



61.4129, 0.5217, 0.3182

Complementary

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



61.4129, 0.2816, 0.5339



19.9282, 0.4588, 0.2301

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.



61.4129, 0.4307, 0.2508



61.4129, 0.2816, 0.5339



61.4129, 0.2093, 0.1697

Square

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



61.4129, 0.2816, 0.5339



61.4129, 0.1284, 0.2032



61.4129, 0.3080, 0.1981



61.4129, 0.5345, 0.3927

Rectangle

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



61.4129, 0.2816, 0.5339



61.4129, 0.1517, 0.3262



61.4129, 0.3080, 0.1981



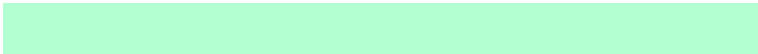
61.4129, 0.4989, 0.2948

Sweetspot

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



61.4191, 0.2816, 0.5339



85.6725, 0.2922, 0.3804



66.3427, 0.3502, 0.5601



18.0082, 0.2897, 0.3890



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.



61.4191, 0.2816, 0.5339



72.5060, 0.2818, 0.5346



65.3935, 0.2335, 0.3607



16.9633, 0.3061, 0.3433



33.5540, 0.2808, 0.5308



2.6534, 0.2731, 0.5031

Inverse Universe

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



19.9282, 0.4588, 0.2301



23.5161, 0.4595, 0.2305



18.0708, 0.6306, 0.3247



15.2045, 0.3200, 0.3151



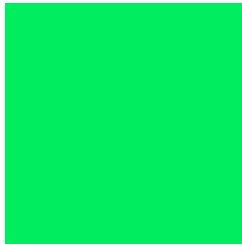
10.9058, 0.4559, 0.2285



0.8753, 0.4321, 0.2154

Previews

White Background



This preview shows how the Yxy color 61.4129, 0.2816, 0.5339 looks on a white background.

Color Contrast Check

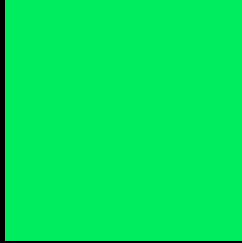
Large Text (above 18pt) WCAG AA × Fail

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 61.4129, 0.2816, 0.5339 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 61.4129, 0.2816, 0.5339

Background



This preview shows how black text looks on a background with the Yxy color 61.4129, 0.2816, 0.5339.

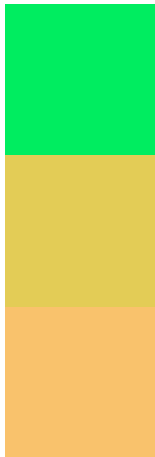


This preview shows how white text looks on a background with the Yxy color 61.4129, 0.2816, 0.5339.

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

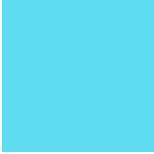
61.4129, 0.2816, 0.5339

Protanopia

60.1885, 0.4142, 0.4537

Deuteranopia

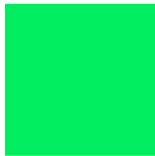
59.8060, 0.4259, 0.4171



Tritanopia

60.9135, 0.2333, 0.3059

Trichromacy



Original Color

61.4129, 0.2816, 0.5339



Protanomaly

55.7792, 0.3380, 0.4975



Deuteranomaly

54.3618, 0.3432, 0.4706



Tritanomaly

59.5297, 0.2478, 0.3841

Monochromacy



Original Color

61.4129, 0.2816, 0.5339



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

37.5005, 0.2831, 0.4167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.4129, 0.2816, 0.5339 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, 237, 96)` looks like.

```
.text, #text, p{  
    color:rgb(0, 237, 96)  
}
```

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, 237, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 237, 96) }
```

Border

The CSS property to change the border of an element to Yxy 61.4129, 0.2816, 0.5339 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, 237, 96) }
```

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

```
.border{ border-color:rgb(0, 237, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 237, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 237, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 237, 96);  
box-shadow:4px 4px 4px 4px rgb(0, 237, 96)  
}
```


Background

The CSS property to change the background color of an element to Yxy 61.4129, 0.2816, 0.5339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 237, 96) }
```

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

```
.background{ background-color: rgb(0, 237,  
96) }
```

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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