

Converting Colors

$Y_{xy}(61.4556, 0.2825, 0.5371)$

Have a look what the booklet for
Yxy(61.4556, 0.2825, 0.5371)
contains.

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Color

Yxy(61.3765, 0.2823, 0.5364)

Conversions

Conversions Part 1

Format	Color
Hex	00ED5E
RGB	0, 237, 94
RGB Percent	0%, 93%, 37%
CMY	1.0000, 0.0706, 0.6312
CMYK	1.00, 0.00, 0.60, 0.07
HSL	144°, 100%, 46%
HSV	144°, 100%, 93%
XYZ	32.3016, 61.3765, 20.7449
YIQ	149.8350, -95.3490, -94.7170

Conversions

Conversions Part 2

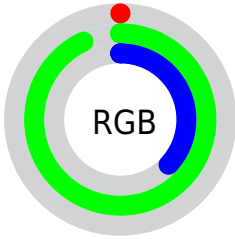
Format	Color
RYB	0, 170, 237
Decimal	60766
CIELab	82.58, -75.99, 54.88
CIELCh	83, 93.739, 144.162
Yxy	61.3765, 0.2823, 0.5364
Android (android.graphics.Color)	4278250846 (0xFF00ED5E)
YUV	149.8350, -27.5267, -131.4053
Hunter-Lab	78.3432, -63.5033, 39.1405

Details

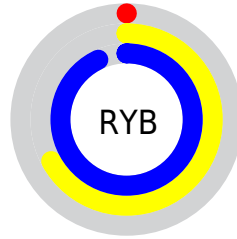
The Yxy color **61.3765, 0.2823, 0.5364** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **19.9878, 0.4553, 0.2282**, and the grayscale version is **30.5793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1029, 0.2891, 0.4665**, and **32.3801, 0.2938, 0.5775** is the 20% darker color. If you saturate the color by 10%, you get **61.3821, 0.2823, 0.5364**, and if you desaturate by 10%, it is **61.8537, 0.2789, 0.5167**.

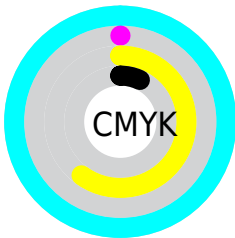
Distribution



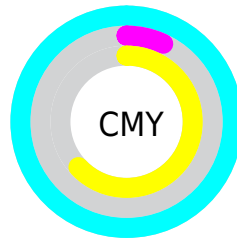
- Red (0%)
- Green (93%)
- Blue (37%)



- Red (0%)
- Yellow (67%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (7%)





- Cyan (100%)
- Magenta (7%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.3765, 0.2823, 0.5364 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 61.3765, 0.2823, 0.5364 by changing the saturation by 10% instead.

 61.3765, 0.2823,
0.5364


 61.3765, 0.2823,
0.5364


429.6531, 0.3034,
0.4286

 44.5291, 0.2752,
0.5635


 106.8239, 0.2914,
0.4968


 31.0867, 0.2651,
0.5978


 136.1927, 0.2944,
0.4820


 20.6649, 0.2503,
0.6422


 170.5040, 0.2967,
0.4696

 12.8792, 0.2273,
0.7001

 210.1423, 0.2986,
0.4589

 7.3454, 0.1954,
0.7949

 255.4920, 0.3002,
0.4498

 3.6791, 0.1240,
0.8760

306.9374, 0.3015,

 1.4957, 0.0000,

0.4418

1.0000

364.8630, 0.3025,
0.4348

■ 0.2857, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.3765, 0.2823,
0.5364

■ 61.3765, 0.2823,
0.5364

■ 61.3821, 0.2823,
0.5364

■ 61.8537, 0.2789,
0.5167

■ 62.6081, 0.2769,
0.4949

■ 63.7209, 0.2769,
0.4717

■ 65.2374, 0.2787,
0.4479

■ 67.1960, 0.2821,
0.4244

■ 69.6302, 0.2869,
0.4019

■ 72.5704, 0.2926,
0.3810

■ 76.0442, 0.2990,
0.3617

■ 80.0774, 0.3058,
0.3444

Harmonies

Analogous

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



61.3765, 0.3870, 0.5408



61.3765, 0.2823, 0.5364



61.3765, 0.1909, 0.4224

Triad

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



61.3765, 0.2823, 0.5364



61.3765, 0.1497, 0.1686



61.3765, 0.5226, 0.3172

Complementary

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



61.3765, 0.2823, 0.5364



19.9878, 0.4553, 0.2282

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.



61.3765, 0.4302, 0.2496



61.3765, 0.2823, 0.5364



61.3765, 0.2077, 0.1686

Square

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



61.3765, 0.2823, 0.5364



61.3765, 0.1274, 0.2030



61.3765, 0.3066, 0.1969



61.3765, 0.5361, 0.3918

Rectangle

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



61.3765, 0.2823, 0.5364



61.3765, 0.1512, 0.3275



61.3765, 0.3066, 0.1969



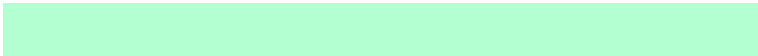
61.3765, 0.4993, 0.2937

Sweetspot

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



61.3821, 0.2823, 0.5364



85.6406, 0.2926, 0.3812



66.6983, 0.3528, 0.5581



18.0007, 0.2900, 0.3899



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.



61.3821, 0.2823, 0.5364



72.4633, 0.2825, 0.5371



65.1943, 0.2351, 0.3663



16.9612, 0.3062, 0.3436



33.5339, 0.2815, 0.5333



2.6517, 0.2738, 0.5055

Inverse Universe

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



19.9878, 0.4553, 0.2282



23.5868, 0.4560, 0.2285



18.0881, 0.6281, 0.3234



15.2067, 0.3199, 0.3149



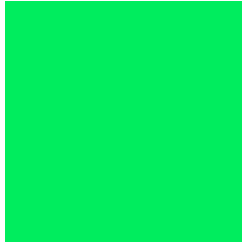
10.9384, 0.4525, 0.2266



0.8778, 0.4293, 0.2139

Previews

White Background



This preview shows how the Yxy color 61.3765, 0.2823, 0.5364 looks on a white background.

Color Contrast Check

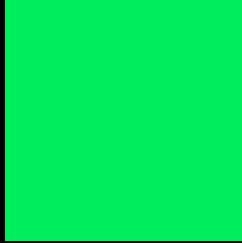
Large Text (above 18pt) WCAG AA × Fail

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 61.3765, 0.2823, 0.5364 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 61.3765, 0.2823, 0.5364

Background



This preview shows how black text looks on a background with the Yxy color 61.3765, 0.2823, 0.5364.

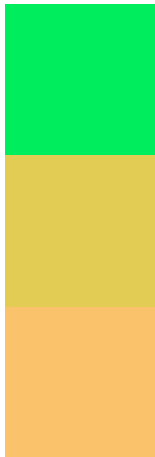


This preview shows how white text looks on a background with the Yxy color 61.3765, 0.2823, 0.5364.

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

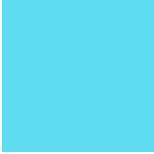
61.3765, 0.2823, 0.5364

Protanopia

60.1567, 0.4153, 0.4553

Deuteranopia

59.9482, 0.4281, 0.4185



Tritanopia

60.9135, 0.2333, 0.3059

Trichromacy



Original Color

61.3765, 0.2823, 0.5364



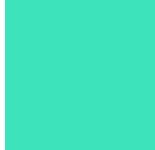
Protanomaly

55.7456, 0.3390, 0.4997



Deuteranomaly

54.4234, 0.3452, 0.4726



Tritanomaly

59.4867, 0.2483, 0.3856

Monochromacy



Original Color

61.3765, 0.2823, 0.5364



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 61.3765, 0.2823, 0.5364 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, 94)` looks like.

```
.text, #text, p{  
    color:rgb(0, 237, 94)  
}
```

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, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 237, 94) }
```

Border

The CSS property to change the border of an element to Yxy 61.3765, 0.2823, 0.5364 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, 94) }
```

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

```
.border{ border-color:rgb(0, 237, 94) }
```

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, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 237, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 237, 94);  
box-shadow:4px 4px 4px 4px rgb(0, 237, 94)  
}
```


Background

The CSS property to change the background color of an element to Yxy 61.3765, 0.2823, 0.5364 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, 94) }
```

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

```
.background{ background-color: rgb(0, 237,  
94) }
```

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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