

Converting Colors

Yxy(61.5462, 0.2808, 0.5308)

Have a look what the booklet for
Yxy(61.5462, 0.2808, 0.5308)
contains.

Yxy(61.4692, 0.2806, 0.5301)	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(61.4692, 0.2806, 0.5301)

Conversions

Conversions Part 1

Format	Color
Hex	00ED63
RGB	0, 237, 99
RGB Percent	0%, 93%, 39%
CMY	0.9991, 0.0706, 0.6118
CMYK	1.00, 0.00, 0.58, 0.07
HSL	145°, 100%, 47%
HSV	145°, 100%, 93%
XYZ	32.5377, 61.4692, 21.9508
YIQ	150.4050, -96.9540, -93.1620

Conversions

Conversions Part 2

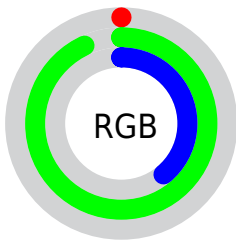
Format	Color
RYB	0, 167, 237
Decimal	60771
CIELab	82.63, -75.36, 52.78
CIELCh	83, 92.003, 144.993
Yxy	61.4692, 0.2806, 0.5301
Android (android.graphics.Color)	4278250851 (0xFF00ED63)
YUV	150.4050, -25.3427, -131.9052
Hunter-Lab	78.4023, -63.1247, 38.2818

Details

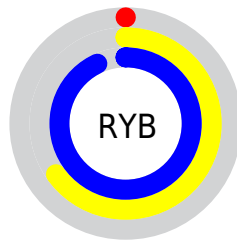
The Yxy color **61.4692, 0.2806, 0.5301** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed spring green. A complement of this color would be **19.8514, 0.4636, 0.2328**, and the grayscale version is **30.8508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2647, 0.2869, 0.4600**, and **32.4297, 0.2917, 0.5700** is the 20% darker color. If you saturate the color by 10%, you get **61.4678, 0.2806, 0.5303**, and if you desaturate by 10%, it is **61.9507, 0.2772, 0.5106**.

Distribution



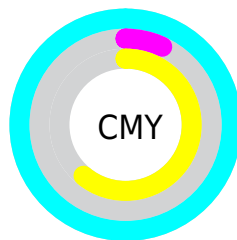
- Red (0%)
- Green (93%)
- Blue (39%)



- Red (0%)
- Yellow (65%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (58%)
- Black (7%)





- Cyan (100%)
- Magenta (7%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 61.4692, 0.2806, 0.5301 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 61.4692, 0.2806, 0.5301 by changing the saturation by 10% instead.

 61.4692, 0.2806,
0.5301

 61.4692, 0.2806,
0.5301

429.9923, 0.3021,
0.4255

 44.6039, 0.2736,
0.5565


 106.9580, 0.2897,
0.4917

 31.1456, 0.2637,
0.5900


 136.3503, 0.2927,
0.4773


 20.7097, 0.2492,
0.6335


 170.6872, 0.2951,
0.4652

 12.9120, 0.2270,
0.6909

 210.3529, 0.2971,
0.4549

 7.3680, 0.1947,
0.7796

 255.7318, 0.2987,
0.4461

 3.6933, 0.1279,
0.8721

307.2084, 0.3000,

 1.5035, 0.0000,

0.4383

1.0000

365.1671, 0.3011,
0.4315

■ 0.2912, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.4692, 0.2806,
0.5301

■ 61.4692, 0.2806,
0.5301

■ 61.4678, 0.2806,
0.5303

■ 61.9507, 0.2772,
0.5106

■ 62.7112, 0.2753,
0.4892

■ 63.8276, 0.2754,
0.4665

■ 65.3450, 0.2773,
0.4435

■ 67.3013, 0.2809,
0.4208

■ 69.7300, 0.2859,
0.3992

■ 72.6611, 0.2919,
0.3790

■ 76.1222, 0.2985,
0.3604

■ 80.1388, 0.3056,
0.3438

Harmonies

Analogous

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



61.4692, 0.3839, 0.5385



61.4692, 0.2806, 0.5301



61.4692, 0.1911, 0.4166

Triad

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



61.4692, 0.2806, 0.5301



61.4692, 0.1530, 0.1705



61.4692, 0.5203, 0.3198

Complementary

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



61.4692, 0.2806, 0.5301



19.8514, 0.4636, 0.2328

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.



61.4692, 0.4314, 0.2527



61.4692, 0.2806, 0.5301



61.4692, 0.2116, 0.1712

Square

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



61.4692, 0.2806, 0.5301



61.4692, 0.1300, 0.2036



61.4692, 0.3101, 0.2000



61.4692, 0.5320, 0.3940

Rectangle

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



61.4692, 0.2806, 0.5301



61.4692, 0.1525, 0.3243



61.4692, 0.3101, 0.2000



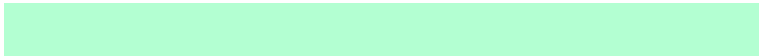
61.4692, 0.4981, 0.2965

Sweetspot

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



61.4717, 0.2806, 0.5301



85.7179, 0.2917, 0.3794



66.0027, 0.3477, 0.5621



18.0188, 0.2891, 0.3877



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.



61.4717, 0.2806, 0.5301



72.5683, 0.2808, 0.5310



65.5949, 0.2320, 0.3552



16.9664, 0.3059, 0.3431



33.5833, 0.2798, 0.5272



2.6559, 0.2721, 0.4997

Inverse Universe

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



19.8514, 0.4636, 0.2328



23.4181, 0.4645, 0.2333



18.0600, 0.6326, 0.3259



15.2013, 0.3202, 0.3154



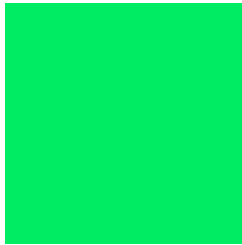
10.8606, 0.4608, 0.2312



0.8719, 0.4361, 0.2176

Previews

White Background



This preview shows how the Yxy color 61.4692, 0.2806, 0.5301 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 61.4692, 0.2806, 0.5301 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 61.4692, 0.2806, 0.5301

Background



This preview shows how black text looks on a background with the Yxy color 61.4692, 0.2806, 0.5301.

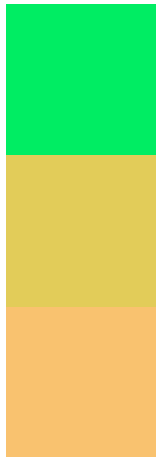


This preview shows how white text looks on a background with the Yxy color 61.4692, 0.2806, 0.5301.

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

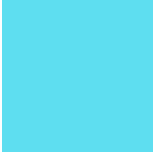
61.4692, 0.2806, 0.5301

Protanopia

60.0758, 0.4117, 0.4517

Deuteranopia

59.8710, 0.4238, 0.4144



Tritanopia

60.9135, 0.2333, 0.3059

Trichromacy



Original Color

61.4692, 0.2806, 0.5301



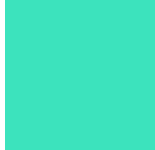
Protanomaly

55.8313, 0.3366, 0.4941



Deuteranomaly

54.5257, 0.3423, 0.4666



Tritanomaly

59.5730, 0.2474, 0.3826

Monochromacy



Original Color

61.4692, 0.2806, 0.5301



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

37.5814, 0.2831, 0.4148

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.4692, 0.2806, 0.5301 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, 99)` looks like.

```
.text, #text, p{  
    color:rgb(0, 237, 99)  
}
```

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, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 237, 99) }
```

Border

The CSS property to change the border of an element to Yxy 61.4692, 0.2806, 0.5301 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, 99) }
```

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

```
.border{ border-color:rgb(0, 237, 99) }
```

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, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 237, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 237, 99);  
box-shadow:4px 4px 4px 4px rgb(0, 237, 99)  
}
```


Background

The CSS property to change the background color of an element to Yxy 61.4692, 0.2806, 0.5301 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, 99) }
```

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

```
.background{ background-color: rgb(0, 237,  
99) }
```

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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