

Converting Colors

$Y_{xy}(61.8321, 0.2872, 0.5540)$

Have a look what the booklet for
Yxy(61.8321, 0.2872, 0.5540)
contains.

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Color

Yxy(61.7136, 0.2873, 0.5544)

Conversions

Conversions Part 1

Format	Color
Hex	00EE4F
RGB	0, 238, 79
RGB Percent	0%, 93%, 31%
CMY	1.0000, 0.0666, 0.6902
CMYK	1.00, 0.00, 0.67, 0.07
HSL	140°, 100%, 47%
HSV	140°, 100%, 93%
XYZ	31.9811, 61.7136, 17.6213
YIQ	148.7120, -90.8090, -99.9050

Conversions

Conversions Part 2

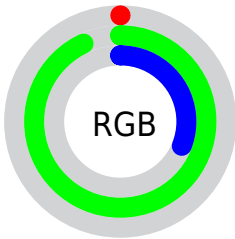
Format	Color
RYB	0, 179, 238
Decimal	61007
CIELab	82.76, -77.93, 61.29
CIELCh	83, 99.139, 141.816
Yxy	61.7136, 0.2873, 0.5544
Android (android.graphics.Color)	4278251087 (0xFF00EE4F)
YUV	148.7120, -34.3680, -130.4204
Hunter-Lab	78.5580, -64.8089, 41.6913

Details

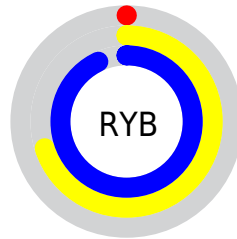
The Yxy color **61.7136, 0.2873, 0.5544** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **20.6826, 0.4289, 0.2136**, and the grayscale version is **30.1053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7800, 0.2953, 0.4829**, and **32.6667, 0.2989, 0.5960** is the 20% darker color. If you saturate the color by 10%, you get **61.7192, 0.2873, 0.5544**, and if you desaturate by 10%, it is **62.1708, 0.2840, 0.5348**.

Distribution



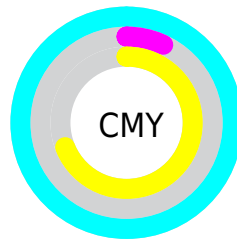
- Red (0%)
- Green (93%)
- Blue (31%)



- Red (0%)
- Yellow (70%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (67%)
- Black (7%)





- Cyan (100%)
- Magenta (7%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.7136, 0.2873, 0.5544 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 61.7136, 0.2873, 0.5544 by changing the saturation by 10% instead.


 61.7136, 0.2873,
0.5544


 61.7136, 0.2873,
0.5544


430.8856, 0.3075,
0.4376

 44.8013, 0.2799,
0.5832


 107.3115, 0.2964,
0.5118

 31.3010, 0.2692,
0.6194


 136.7659, 0.2993,
0.4958

 20.8281, 0.2532,
0.6652


 171.1698, 0.3016,
0.4823

 12.9984, 0.2282,
0.7234

 210.9076, 0.3033,
0.4707

 7.4275, 0.1915,
0.8085

 256.3637, 0.3047,
0.4608

 3.7308, 0.1166,
0.8834

307.9225, 0.3058,

 1.5242, 0.0000,

0.4521

1.0000

365.9683, 0.3068,
0.4444

■ 0.3056, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.7136, 0.2873,
0.5544

■ 61.7136, 0.2873,
0.5544


■ 61.7192, 0.2873,
0.5544


■ 62.1708, 0.2840,
0.5348


■ 62.9167, 0.2819,
0.5121


■ 64.0341, 0.2816,
0.4872


■ 65.5696, 0.2831,
0.4612

 67.5630, 0.2860,
0.4352

 70.0488, 0.2902,
0.4102

 73.0585, 0.2952,
0.3868

 76.6207, 0.3008,
0.3654

 80.7620, 0.3067,
0.3461

Harmonies

Analogous

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



61.7136, 0.3959, 0.5464



61.7136, 0.2873, 0.5544



61.7136, 0.1905, 0.4400

Triad

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



61.7136, 0.2873, 0.5544



61.7136, 0.1403, 0.1633



61.7136, 0.5287, 0.3092

Complementary

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



61.7136, 0.2873, 0.5544



20.6826, 0.4289, 0.2136

Split Complementary

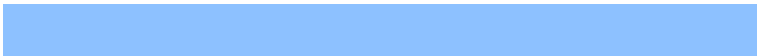
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



61.7136, 0.4264, 0.2408



61.7136, 0.2873, 0.5544



61.7136, 0.1967, 0.1613

Square

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



61.7136, 0.2873, 0.5544



61.7136, 0.1200, 0.2013



61.7136, 0.2963, 0.1882



61.7136, 0.5480, 0.3851

Rectangle

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



61.7136, 0.2873, 0.5544



61.7136, 0.1476, 0.3374



61.7136, 0.2963, 0.1882



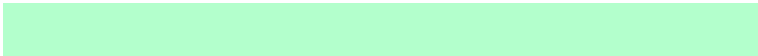
61.7136, 0.5023, 0.2854

Sweetspot

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



61.7192, 0.2873, 0.5544



85.3986, 0.2952, 0.3871



68.9033, 0.3637, 0.5494



17.9442, 0.2929, 0.3968



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.



61.7192, 0.2873, 0.5544



72.1701, 0.2875, 0.5550



65.0666, 0.2415, 0.3894



17.7429, 0.3070, 0.3452



34.4513, 0.2865, 0.5516



2.8838, 0.2792, 0.5251

Inverse Universe

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



20.6826, 0.4289, 0.2136



24.1762, 0.4294, 0.2139



18.3579, 0.6149, 0.3161



15.9370, 0.3189, 0.3133



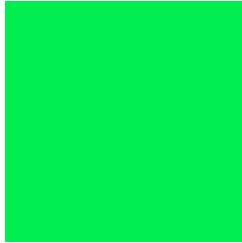
11.5627, 0.4267, 0.2125



0.9802, 0.4092, 0.2028

Previews

White Background



This preview shows how the Yxy color 61.7136, 0.2873, 0.5544 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 61.7136, 0.2873, 0.5544 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

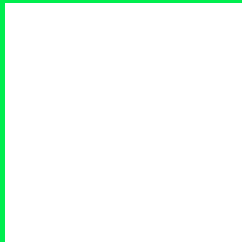
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.7136, 0.2873, 0.5544

Background



This preview shows how black text looks on a background with the Yxy color 61.7136, 0.2873, 0.5544.

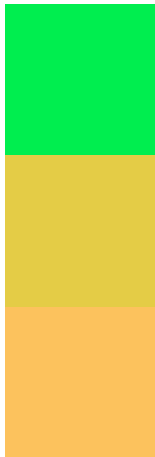


This preview shows how white text looks on a background with the Yxy color 61.7136, 0.2873, 0.5544.

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

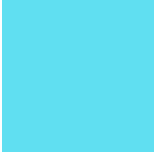
61.7136, 0.2873, 0.5544

Protanopia

60.1219, 0.4229, 0.4649

Deuteranopia

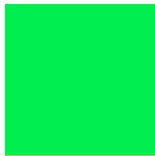
60.0693, 0.4380, 0.4285



Tritanopia

61.6130, 0.2339, 0.3060

Trichromacy



Original Color

61.7136, 0.2873, 0.5544



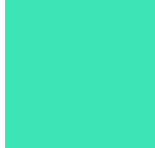
Protanomaly

55.6125, 0.3463, 0.5144



Deuteranomaly

54.2714, 0.3534, 0.4880



Tritanomaly

59.8563, 0.2511, 0.3944

Monochromacy



Original Color

61.7136, 0.2873, 0.5544



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

36.9359, 0.2870, 0.4260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.7136, 0.2873, 0.5544 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, 238, 79)` looks like.

```
.text, #text, p{  
    color:rgb(0, 238, 79)  
}
```

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, 238, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 238, 79) }
```

Border

The CSS property to change the border of an element to Yxy 61.7136, 0.2873, 0.5544 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, 238, 79) }
```

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

```
.border{ border-color:rgb(0, 238, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 238, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 238, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 238, 79);  
box-shadow:4px 4px 4px 4px rgb(0, 238, 79)  
}
```


Background

The CSS property to change the background color of an element to Yxy 61.7136, 0.2873, 0.5544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 238, 79) }
```

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

```
.background{ background-color: rgb(0, 238,  
79) }
```

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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