

Converting Colors

$Y_{xy}(61.7235, 0.2775, 0.5192)$

Have a look what the booklet for
Yxy(61.7235, 0.2775, 0.5192)
contains.

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Color

Yxy(61.6299, 0.2776, 0.5195)

Conversions

Conversions Part 1

Format	Color
Hex	00ED6B
RGB	0, 237, 107
RGB Percent	0%, 93%, 42%
CMY	1.0000, 0.0705, 0.5804
CMYK	1.00, 0.00, 0.55, 0.07
HSL	147°, 100%, 46%
HSV	147°, 100%, 93%
XYZ	32.9326, 61.6299, 24.0707
YIQ	151.3170, -99.5220, -90.6740

Conversions

Conversions Part 2

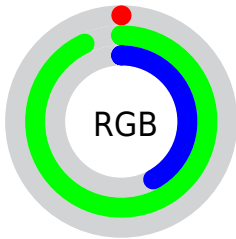
Format	Color
RYB	0, 163, 237
Decimal	60779
CIELab	82.72, -74.32, 49.27
CIELCh	83, 89.167, 146.458
Yxy	61.6299, 0.2776, 0.5195
Android (android.graphics.Color)	4278250859 (0xFF00ED6B)
YUV	151.3170, -21.8483, -132.7050
Hunter-Lab	78.5047, -62.5029, 36.7741

Details

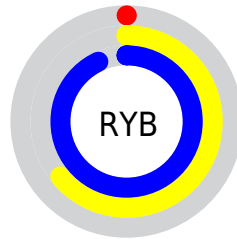
The Yxy color **61.6299, 0.2776, 0.5195** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed spring green. A complement of this color would be **19.6182, 0.4784, 0.2409**, and the grayscale version is **31.2208, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4727, 0.2829, 0.4496**, and **32.5065, 0.2886, 0.5588** is the 20% darker color. If you saturate the color by 10%, you get **61.6362, 0.2776, 0.5195**, and if you desaturate by 10%, it is **62.1213, 0.2743, 0.5004**.

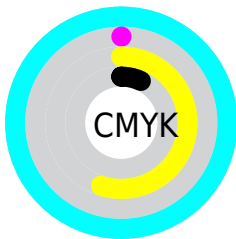
Distribution



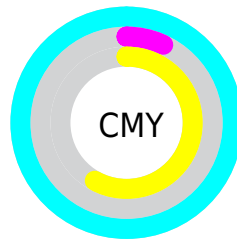
- Red (0%)
- Green (93%)
- Blue (42%)



- Red (0%)
- Yellow (64%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (55%)
- Black (7%)





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 61.6299, 0.2776, 0.5195 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 61.6299, 0.2776, 0.5195 by changing the saturation by 10% instead.

 61.6299, 0.2776,
0.5195

 61.6299, 0.2776,
0.5195


430.5798, 0.2998,
0.4205

 44.7337, 0.2707,
0.5446


 107.1905, 0.2867,
0.4830

 31.2477, 0.2611,
0.5767

 136.6236, 0.2898,
0.4695


 20.7876, 0.2471,
0.6186


 171.0046, 0.2923,
0.4580

 12.9688, 0.2260,
0.6747


 210.7177, 0.2944,
0.4483

 7.4071, 0.1936,
0.7555

 256.1474, 0.2961,
0.4399

 3.7180, 0.1341,
0.8659

307.6780, 0.2975,

 1.5171, 0.0000,

0.4326

1.0000

365.6940, 0.2987,
0.4261

■ 0.3007, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.6299, 0.2776,
0.5195

■ 61.6299, 0.2776,
0.5195

■ 61.6362, 0.2776,
0.5195

■ 62.1213, 0.2743,
0.5004

■ 62.8821, 0.2725,
0.4799

■ 63.9936, 0.2728,
0.4583

■ 65.5004, 0.2749,
0.4366

■ 67.4405, 0.2788,
0.4153

■ 69.8468, 0.2841,
0.3950

■ 72.7492, 0.2905,
0.3761

■ 76.1750, 0.2975,
0.3587

■ 80.1494, 0.3050,
0.3430

Harmonies

Analogous

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



61.6299, 0.3785, 0.5344



61.6299, 0.2776, 0.5195



61.6299, 0.1914, 0.4071

Triad

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



61.6299, 0.2776, 0.5195



61.6299, 0.1587, 0.1736



61.6299, 0.5165, 0.3244

Complementary

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



61.6299, 0.2776, 0.5195



19.6182, 0.4784, 0.2409

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.



61.6299, 0.4333, 0.2578



61.6299, 0.2776, 0.5195



61.6299, 0.2182, 0.1756

Square

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



61.6299, 0.2776, 0.5195



61.6299, 0.1345, 0.2047



61.6299, 0.3160, 0.2051



61.6299, 0.5250, 0.3976

Rectangle

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



61.6299, 0.2776, 0.5195



61.6299, 0.1547, 0.3191



61.6299, 0.3160, 0.2051



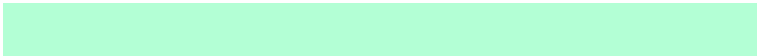
61.6299, 0.4961, 0.3013

Sweetspot

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



61.6362, 0.2776, 0.5195



85.8503, 0.2904, 0.3763



65.3486, 0.3426, 0.5662



18.0499, 0.2876, 0.3841



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.



61.6362, 0.2776, 0.5195



72.7608, 0.2778, 0.5202



66.0195, 0.2290, 0.3444



16.9752, 0.3054, 0.3422



33.6733, 0.2768, 0.5165



2.6633, 0.2694, 0.4897

Inverse Universe

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



19.6182, 0.4784, 0.2409



23.1497, 0.4792, 0.2413



18.0325, 0.6362, 0.3278



15.1923, 0.3207, 0.3162



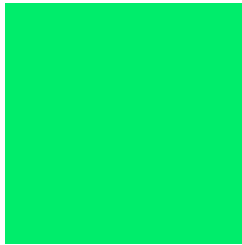
10.7366, 0.4751, 0.2391



0.8624, 0.4479, 0.2241

Previews

White Background



This preview shows how the Yxy color 61.6299, 0.2776, 0.5195 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 61.6299, 0.2776, 0.5195 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 61.6299, 0.2776, 0.5195

Background



This preview shows how black text looks on a background with the Yxy color 61.6299, 0.2776, 0.5195.



This preview shows how white text looks on a background with the Yxy color 61.6299, 0.2776, 0.5195.

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

61.6299, 0.2776, 0.5195

Protanopia

60.1990, 0.4078, 0.4458

Deuteranopia

60.2947, 0.4174, 0.4093



Tritanopia

61.4534, 0.2329, 0.3060

Trichromacy



Original Color

61.6299, 0.2776, 0.5195



Protanomaly

55.9611, 0.3331, 0.4860



Deuteranomaly

54.5772, 0.3374, 0.4583



Tritanomaly

60.2224, 0.2461, 0.3794

Monochromacy



Original Color

61.6299, 0.2776, 0.5195



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

37.6920, 0.2804, 0.4077

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.6299, 0.2776, 0.5195 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, 107)` looks like.

```
.text, #text, p{  
    color:rgb(0, 237, 107)  
}
```

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, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 237, 107) }
```

Border

The CSS property to change the border of an element to Yxy 61.6299, 0.2776, 0.5195 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, 107) }
```

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

```
.border{ border-color:rgb(0, 237, 107) }
```

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, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 237, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 237, 107);  
box-shadow:4px 4px 4px 4px rgb(0, 237,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 61.6299, 0.2776, 0.5195 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, 107) }
```

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

```
.background{ background-color: rgb(0, 237,  
107) }
```

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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