

Converting Colors

$Yxy(61.7680, 0.2690, 0.4836)$

Have a look what the booklet for
Yxy(61.7680, 0.2690, 0.4836)
contains.

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Color

Yxy(61.7680, 0.2690, 0.4836)

Conversions

Conversions Part 1

Format	Color
Hex	13EC83
RGB	19, 236, 131
RGB Percent	7%, 93%, 51%
CMY	0.9268, 0.0745, 0.4861
CMYK	0.92, 0.00, 0.44, 0.07
HSL	151°, 85%, 50%
HSV	151°, 92%, 93%
XYZ	34.3581, 61.7680, 31.5993
YIQ	159.1470, -95.6270, -78.6590

Conversions

Conversions Part 2

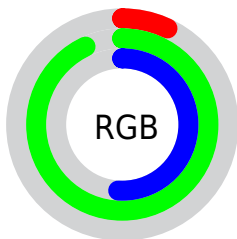
Format	Color
RYB	19, 162, 236
Decimal	1305731
CIELab	82.79, -69.64, 37.91
CIELCh	83, 79.292, 151.436
Yxy	61.7680, 0.2690, 0.4836
Android (android.graphics.Color)	4279495811 (0xFF13EC83)
YUV	159.1470, -13.8765, -122.9089
Hunter-Lab	78.5926, -59.5027, 31.1765

Details

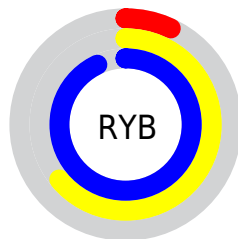
The Yxy color **61.7680, 0.2690, 0.4836** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **19.7349, 0.4871, 0.2501**, and the grayscale version is **34.7961, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6002, 0.2731, 0.4172**, and **32.8194, 0.2772, 0.5178** is the 20% darker color. If you saturate the color by 10%, you get **61.4012, 0.2715, 0.4975**, and if you desaturate by 10%, it is **62.4597, 0.2672, 0.4652**.

Distribution



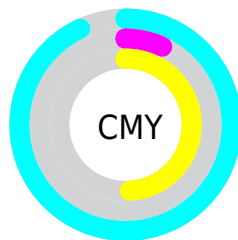
- Red (7%)
- Green (93%)
- Blue (51%)



- Red (7%)
- Yellow (64%)
- Blue (93%)



- Cyan (92%)
- Magenta (0%)
- Yellow (44%)
- Black (7%)




- Cyan (93%)
- Magenta (7%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.7680, 0.2690, 0.4836 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 61.7680, 0.2690, 0.4836 by changing the saturation by 10% instead.


 61.7680, 0.2690,
0.4836


 61.7680, 0.2690,
0.4836

431.0843, 0.2933,
0.4036

 44.8453, 0.2623,
0.5040


 107.3902, 0.2784,
0.4541


 31.3356, 0.2532,
0.5304


 136.8584, 0.2817,
0.4431

 20.8545, 0.2407,
0.5654


 171.2772, 0.2845,
0.4339

 13.0177, 0.2224,
0.6137

 211.0310, 0.2868,
0.4260

 7.4407, 0.1941,
0.6827

 256.5043, 0.2888,
0.4193

 3.7392, 0.1540,
0.8248

308.0813, 0.2905,

 1.5288, 0.0000,

0.4134

1.0000

366.1465, 0.2920,
0.4082

■ 0.3089, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.7680, 0.2690,
0.4836

■ 61.7680, 0.2690,
0.4836


■ 61.4012, 0.2715,
0.4975

■ 62.4597, 0.2672,
0.4652


■ 63.4771, 0.2675,
0.4461


■ 64.8681, 0.2697,
0.4270


■ 66.6710, 0.2738,
0.4083

 68.9188, 0.2795,
0.3903

 71.6412, 0.2863,
0.3736

 74.8653, 0.2940,
0.3581

 78.6160, 0.3023,
0.3441

 82.9166, 0.3109,
0.3315

Harmonies

Analogous

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



61.7680, 0.3610, 0.5160



61.7680, 0.2690, 0.4836



61.7680, 0.1941, 0.3788

Triad

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



61.7680, 0.2690, 0.4836



61.7680, 0.1788, 0.1855



61.7680, 0.5011, 0.3388

Complementary

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



61.7680, 0.2690, 0.4836



19.7349, 0.4871, 0.2501

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.



61.7680, 0.4361, 0.2749



61.7680, 0.2690, 0.4836



61.7680, 0.2402, 0.1914

Square

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



61.7680, 0.2690, 0.4836



61.7680, 0.1508, 0.2099



61.7680, 0.3337, 0.2229



61.7680, 0.5006, 0.4077

Rectangle

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



61.7680, 0.2690, 0.4836



61.7680, 0.1636, 0.3047



61.7680, 0.3337, 0.2229



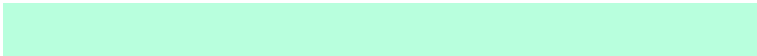
61.7680, 0.4862, 0.3167

Sweetspot

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



61.7705, 0.2690, 0.4836



86.8558, 0.2893, 0.3673



64.3054, 0.3376, 0.5657



18.2524, 0.2860, 0.3741



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.



61.7705, 0.2690, 0.4836



73.1818, 0.2717, 0.4982



64.1223, 0.2242, 0.3240



16.9922, 0.3046, 0.3406



33.8693, 0.2708, 0.4947



2.6790, 0.2639, 0.4700

Inverse Universe

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



19.7349, 0.4871, 0.2501



22.6939, 0.5075, 0.2569



18.4652, 0.6274, 0.3310



15.1753, 0.3217, 0.3177



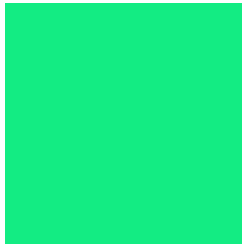
10.5251, 0.5028, 0.2544



0.8458, 0.4710, 0.2368

Previews

White Background



This preview shows how the Yxy color 61.7680, 0.2690, 0.4836 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 61.7680, 0.2690, 0.4836 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

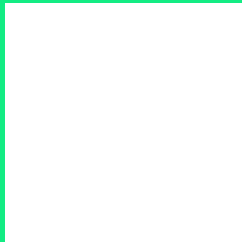
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.7680, 0.2690, 0.4836

Background



This preview shows how black text looks on a background with the Yxy color 61.7680, 0.2690, 0.4836.

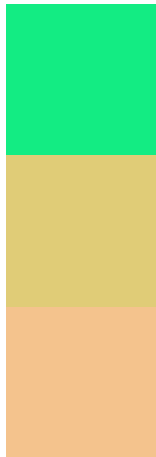


This preview shows how white text looks on a background with the Yxy color 61.7680, 0.2690, 0.4836.

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

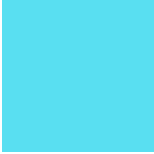
61.7680, 0.2690, 0.4836

Protanopia

60.3649, 0.3914, 0.4245

Deuteranopia

60.1864, 0.3966, 0.3873



Tritanopia

61.2501, 0.2317, 0.3059

Trichromacy



Original Color

61.7680, 0.2690, 0.4836



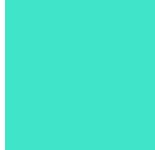
Protanomaly

56.9314, 0.3241, 0.4553



Deuteranomaly

55.5807, 0.3261, 0.4269



Tritanomaly

60.7606, 0.2431, 0.3661

Monochromacy



Original Color

61.7680, 0.2690, 0.4836



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

40.8987, 0.2797, 0.3893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.7680, 0.2690, 0.4836 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(19, 236, 131)` looks like.

```
.text, #text, p{  
    color:rgb(19, 236, 131)  
}
```

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(19, 236, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 236, 131) }
```

Border

The CSS property to change the border of an element to Yxy 61.7680, 0.2690, 0.4836 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(19, 236, 131) }
```

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

```
.border{ border-color:rgb(19, 236, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 236, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 236, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 236, 131);  
box-shadow:4px 4px 4px 4px rgb(19, 236,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 61.7680, 0.2690, 0.4836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 236, 131) }
```

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

```
.background{ background-color: rgb(19, 236,  
131) }
```

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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