

Converting Colors

Yxy(61.5694, 0.2656, 0.4760)

Have a look what the booklet for
Yxy(61.5694, 0.2656, 0.4760)
contains.

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Color

Yxy(61.7749, 0.2658, 0.4766)

Conversions

Conversions Part 1

Format	Color
Hex	01EC88
RGB	1, 236, 136
RGB Percent	0%, 93%, 53%
CMY	0.9953, 0.0745, 0.4668
CMYK	0.99, 0.00, 0.42, 0.07
HSL	154°, 99%, 47%
HSV	154°, 99%, 93%
XYZ	34.4519, 61.7749, 33.3890
YIQ	154.3350, -107.9600, -80.9200

Conversions

Conversions Part 2

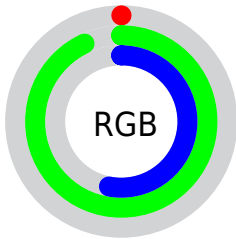
Format	Color
RYB	1, 150, 236
Decimal	126088
CIELab	82.79, -69.33, 35.47
CIELCh	83, 77.877, 152.909
Yxy	61.7749, 0.2658, 0.4766
Android (android.graphics.Color)	4278316168 (0xFF01EC88)
YUV	154.3350, -9.0392, -134.4748
Hunter-Lab	78.5970, -59.3018, 29.8307

Details

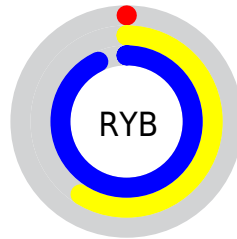
The Yxy color **61.7749, 0.2658, 0.4766** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **18.8039, 0.5294, 0.2693**, and the grayscale version is **32.5738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5527, 0.2693, 0.4108**, and **32.8961, 0.2746, 0.5087** is the 20% darker color. If you saturate the color by 10%, you get **61.7550, 0.2660, 0.4774**, and if you desaturate by 10%, it is **62.2732, 0.2632, 0.4606**.

Distribution



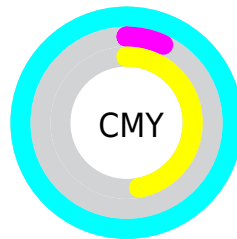
- Red (0%)
- Green (93%)
- Blue (53%)



- Red (0%)
- Yellow (59%)
- Blue (93%)



- Cyan (99%)
- Magenta (0%)
- Yellow (42%)
- Black (7%)




- Cyan (100%)
- Magenta (7%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 61.7749, 0.2658, 0.4766 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 61.7749, 0.2658, 0.4766 by changing the saturation by 10% instead.

 61.7749, 0.2658,
0.4766


 61.7749, 0.2658,
0.4766


431.1095, 0.2913,
0.4003

 44.8508, 0.2589,
0.4961


 107.4001, 0.2755,
0.4485

 31.3400, 0.2497,
0.5213


 136.8701, 0.2790,
0.4380


 20.8579, 0.2372,
0.5548


 171.2908, 0.2819,
0.4292

 13.0201, 0.2190,
0.6011

 211.0467, 0.2844,
0.4217

 7.4424, 0.1912,
0.6680

 256.5221, 0.2865,
0.4153

 3.7403, 0.1497,
0.7934

308.1014, 0.2883,

 1.5294, 0.0000,

0.4096

1.0000

366.1691, 0.2899,
0.4047

■ 0.3093, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.7749, 0.2658,
0.4766

■ 61.7749, 0.2658,
0.4766

■ 61.7550, 0.2660,
0.4774

■ 62.2732, 0.2632,
0.4606

■ 63.0342, 0.2623,
0.4440

■ 64.1290, 0.2635,
0.4272

■ 65.6005, 0.2668,
0.4105

■ 67.4851, 0.2718,
0.3943

■ 69.8146, 0.2783,
0.3789

■ 72.6175, 0.2860,
0.3645

■ 75.9202, 0.2946,
0.3513

■ 79.7467, 0.3038,
0.3393

Harmonies

Analogous

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



61.7749, 0.3563, 0.5131



61.7749, 0.2658, 0.4766



61.7749, 0.1933, 0.3724

Triad

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



61.7749, 0.2658, 0.4766



61.7749, 0.1829, 0.1872



61.7749, 0.4994, 0.3423

Complementary

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



61.7749, 0.2658, 0.4766



18.8039, 0.5294, 0.2693

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.



61.7749, 0.4383, 0.2788



61.7749, 0.2658, 0.4766



61.7749, 0.2453, 0.1942

Square

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



61.7749, 0.2658, 0.4766



61.7749, 0.1537, 0.2099



61.7749, 0.3385, 0.2265



61.7749, 0.4962, 0.4106

Rectangle

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



61.7749, 0.2658, 0.4766



61.7749, 0.1643, 0.3006



61.7749, 0.3385, 0.2265



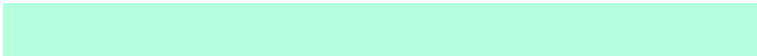
61.7749, 0.4858, 0.3204

Sweetspot

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



61.7774, 0.2658, 0.4766



86.3401, 0.2855, 0.3654



62.8762, 0.3272, 0.5781



18.1657, 0.2822, 0.3713



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.



61.7774, 0.2658, 0.4766



73.6066, 0.2661, 0.4780



57.4345, 0.2189, 0.3078



17.0071, 0.3038, 0.3392



34.0659, 0.2652, 0.4748



2.6942, 0.2590, 0.4526

Inverse Universe

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



18.8039, 0.5294, 0.2693



22.3564, 0.5318, 0.2703



18.2326, 0.6356, 0.3330



15.1606, 0.3226, 0.3190



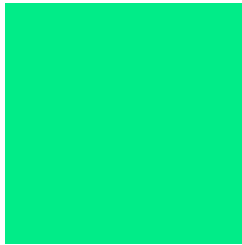
10.3675, 0.5268, 0.2675



0.8330, 0.4914, 0.2481

Previews

White Background



This preview shows how the Yxy color 61.7749, 0.2658, 0.4766 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 61.7749, 0.2658, 0.4766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

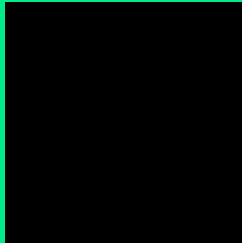
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.7749, 0.2658, 0.4766

Background



This preview shows how black text looks on a background with the Yxy color 61.7749, 0.2658, 0.4766.

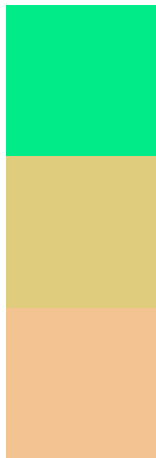


This preview shows how white text looks on a background with the Yxy color 61.7749, 0.2658, 0.4766.

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

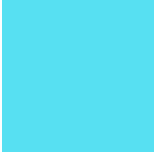
61.7749, 0.2658, 0.4766

Protanopia

60.3289, 0.3872, 0.4196

Deuteranopia

60.6099, 0.3914, 0.3833



Tritanopia

61.7484, 0.2310, 0.3059

Trichromacy



Original Color

61.7749, 0.2658, 0.4766



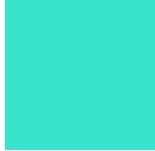
Protanomaly

56.4210, 0.3162, 0.4505



Deuteranomaly

55.5101, 0.3175, 0.4227



Tritanomaly

60.6394, 0.2406, 0.3634

Monochromacy



Original Color

61.7749, 0.2658, 0.4766



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

38.9842, 0.2741, 0.3894

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.7749, 0.2658, 0.4766 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(1, 236, 136)` looks like.

```
.text, #text, p{  
    color:rgb(1, 236, 136)  
}
```

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(1, 236, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 236, 136) }
```

Border

The CSS property to change the border of an element to Yxy 61.7749, 0.2658, 0.4766 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(1, 236, 136) }
```

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

```
.border{ border-color:rgb(1, 236, 136) }
```

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

Here you see how a box with a 4 pixel rgb(1, 236, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 236, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 236, 136);  
box-shadow:4px 4px 4px 4px rgb(1, 236,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 61.7749, 0.2658, 0.4766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 236, 136) }
```

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

```
.background{ background-color: rgb(1, 236,  
136) }
```

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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