

Converting Colors

$Y_{xy}(68.1300, 0.2622, 0.4637)$

Have a look what the booklet for
Yxy(68.1300, 0.2622, 0.4637)
contains.

Yxy(68.1524, 0.2621, 0.4633)	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(68.1524, 0.2621, 0.4633)

Conversions

Conversions Part 1

Format	Color
Hex	01F697
RGB	1, 246, 151
RGB Percent	0%, 96%, 59%
CMY	0.9950, 0.0353, 0.4079
CMYK	0.99, 0.00, 0.39, 0.04
HSL	157°, 99%, 48%
HSV	157°, 99%, 96%
XYZ	38.5555, 68.1524, 40.3942
YIQ	161.9150, -115.5250, -81.4850

Conversions

Conversions Part 2

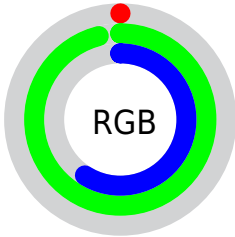
Format	Color
R_{YB}	1, 153, 246
Decimal	128663
CIE _{Lab}	86.08, -69.88, 32.30
CIE _{LCh}	86, 76.984, 155.196
Yxy	68.1524, 0.2621, 0.4633
Android (android.graphics.Color)	4278318743 (0xFF01F697)
YUV	161.9150, -5.3811, -141.1225
Hunter-Lab	82.5545, -61.1054, 28.7773

Details

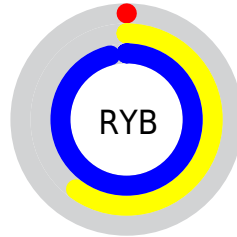
The Yxy color **68.1524, 0.2621, 0.4633** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **20.4704, 0.5456, 0.2782**, and the grayscale version is **36.1945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4869, 0.2632, 0.3894**, and **36.8673, 0.2700, 0.4918** is the 20% darker color. If you saturate the color by 10%, you get **68.1310, 0.2622, 0.4641**, and if you desaturate by 10%, it is **68.6878, 0.2597, 0.4486**.

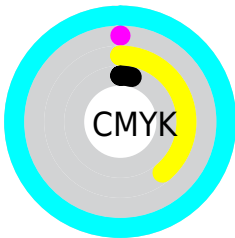
Distribution



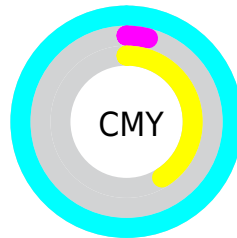
- Red (0%)
- Green (96%)
- Blue (59%)



- Red (0%)
- Yellow (60%)
- Blue (96%)



- Cyan (99%)
- Magenta (0%)
- Yellow (39%)
- Black (4%)





- Cyan (100%)
- Magenta (4%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.1524, 0.2621, 0.4633 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 68.1524, 0.2621, 0.4633 by changing the saturation by 10% instead.


 68.1524, 0.2621,
0.4633


 68.1524, 0.2621,
0.4633


454.0358, 0.2884,
0.3953

 50.0217, 0.2553,
0.4803


 116.5701, 0.2718,
0.4385


 35.4307, 0.2466,
0.5021


 147.6260, 0.2754,
0.4292

 23.9948, 0.2349,
0.5308


 183.7590, 0.2784,
0.4214

 15.3298, 0.2186,
0.5701

 225.3536, 0.2810,
0.4146

 9.0512, 0.1945,
0.6264

 272.7942, 0.2832,
0.4088

 4.7746, 0.1570,
0.7110

326.4652, 0.2852,

 2.1156, 0.0000,

0.4037

1.0000

386.7509, 0.2869,
0.3993

■ 0.6734, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 68.1524, 0.2621,
0.4633

■ 68.1524, 0.2621,
0.4633

■ 68.1310, 0.2622,
0.4641

■ 68.6878, 0.2597,
0.4486


■ 69.5086, 0.2591,
0.4334

■ 70.6921, 0.2606,
0.4181


■ 72.2857, 0.2641,
0.4030

 74.3294, 0.2695,
0.3883

 76.8584, 0.2764,
0.3743

 79.9042, 0.2845,
0.3613

 83.4956, 0.2936,
0.3493

 87.6592, 0.3032,
0.3384

Harmonies

Analogous

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



68.1524, 0.3490, 0.5051



68.1524, 0.2621, 0.4633



68.1524, 0.1940, 0.3625

Triad

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



68.1524, 0.2621, 0.4633



68.1524, 0.1910, 0.1916



68.1524, 0.4937, 0.3479

Complementary

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



68.1524, 0.2621, 0.4633



20.4704, 0.5456, 0.2782

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.



68.1524, 0.4393, 0.2854



68.1524, 0.2621, 0.4633



68.1524, 0.2540, 0.2003

Square

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



68.1524, 0.2621, 0.4633



68.1524, 0.1600, 0.2116



68.1524, 0.3453, 0.2334



68.1524, 0.4869, 0.4142

Rectangle

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



68.1524, 0.2621, 0.4633



68.1524, 0.1675, 0.2955



68.1524, 0.3453, 0.2334



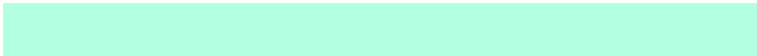
68.1524, 0.4821, 0.3264

Sweetspot

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



68.1551, 0.2621, 0.4633



86.4969, 0.2840, 0.3620



68.5774, 0.3232, 0.5813



18.2030, 0.2805, 0.3674



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.



68.1551, 0.2621, 0.4633



73.9203, 0.2623, 0.4643



58.6546, 0.2159, 0.2969



18.6424, 0.3032, 0.3383



36.3932, 0.2616, 0.4616



3.2187, 0.2564, 0.4431

Inverse Universe

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



20.4704, 0.5456, 0.2782



22.1608, 0.5475, 0.2790



20.3233, 0.6329, 0.3352



16.5890, 0.3232, 0.3198



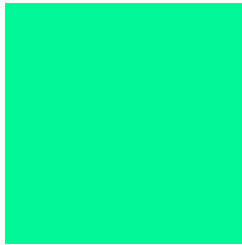
10.9293, 0.5427, 0.2763



0.9801, 0.5091, 0.2578

Previews

White Background



This preview shows how the Yxy color 68.1524, 0.2621, 0.4633 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 68.1524, 0.2621, 0.4633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

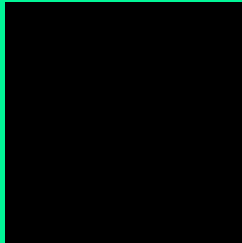
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.1524, 0.2621, 0.4633

Background



This preview shows how black text looks on a background with the Yxy color 68.1524, 0.2621, 0.4633.

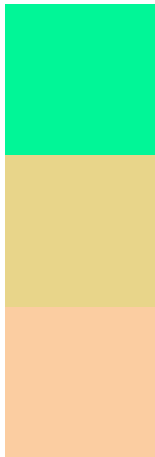


This preview shows how white text looks on a background with the Yxy color 68.1524, 0.2621, 0.4633.

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

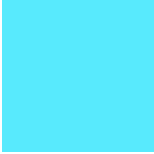
68.1524, 0.2621, 0.4633

Protanopia

66.5793, 0.3809, 0.4113

Deuteranopia

66.7451, 0.3827, 0.3754



Tritanopia

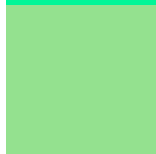
68.0122, 0.2300, 0.3056

Trichromacy



Original Color

68.1524, 0.2621, 0.4633



Protanomaly

62.1295, 0.3108, 0.4379



Deuteranomaly

61.0943, 0.3109, 0.4113



Tritanomaly

66.9477, 0.2384, 0.3578

Monochromacy



Original Color

68.1524, 0.2621, 0.4633



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

43.5516, 0.2724, 0.3833

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1524, 0.2621, 0.4633 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, 246, 151)` looks like.

```
.text, #text, p{  
    color:rgb(1, 246, 151)  
}
```

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, 246, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 246, 151) }
```

Border

The CSS property to change the border of an element to Yxy 68.1524, 0.2621, 0.4633 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, 246, 151) }
```

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

```
.border{ border-color:rgb(1, 246, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 246, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 246, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 246, 151);  
box-shadow:4px 4px 4px 4px rgb(1, 246,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1524, 0.2621, 0.4633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 246, 151) }
```

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

```
.background{ background-color: rgb(1, 246,  
151) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor