

Converting Colors

XYZ(38.4758, 67.6459, 41.5134)

Have a look what the booklet for
XYZ(38.4758, 67.6459, 41.5134)
contains.

XYZ(38.4851, 67.6379, 41.5989)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.4851, 67.6379,
41.5989)**

Conversions

Conversions Part 1

Format	Color
Hex	00F59A
RGB	0, 245, 154
RGB Percent	0%, 96%, 60%
CMY	0.9999, 0.0392, 0.3961
CMYK	1.00, 0.00, 0.37, 0.04
HSL	158°, 100%, 48%
HSV	158°, 100%, 96%
XYZ	38.4851, 67.6379, 41.5989
YIQ	161.3710, -116.8090, -80.2410

Conversions

Conversions Part 2

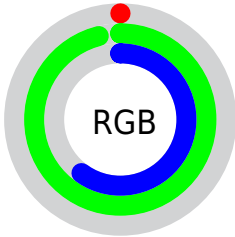
Format	Color
RYB	0, 150, 245
Decimal	62874
CIELab	85.83, -69.00, 30.44
CIELCh	86, 75.413, 156.196
Yxy	67.6379, 0.2605, 0.4579
Android (android.graphics.Color)	4278252954 (0xFF00F59A)
YUV	161.3710, -3.6339, -141.5224
Hunter-Lab	82.2423, -60.3953, 27.5802

Details

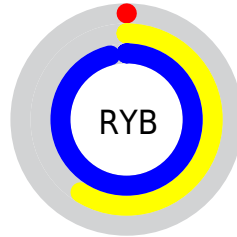
The XYZ color **38.4851, 67.6379, 41.5989** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **39.5471, 20.1694, 11.7112**, and the grayscale version is **34.1080, 35.8843, 39.0780**.

A 20% lighter version of the original color is **54.0787, 79.6342, 72.8423**, and **20.1686, 36.5000, 18.5526** is the 20% darker color. If you saturate the color by 10%, you get **38.4860, 67.6402, 41.5971**, and if you desaturate by 10%, it is **39.6630, 68.1560, 45.7639**.

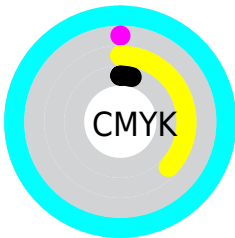
Distribution



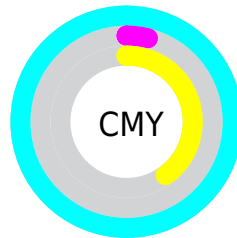
- Red (0%)
- Green (96%)
- Blue (60%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (4%)





- Cyan (100%)
- Magenta (4%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4851, 67.6379, 41.5989 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 XYZ color 38.4851, 67.6379, 41.5989 by changing the saturation by 10% instead.


 38.4851, 67.6379,
41.5989


 38.4851, 67.6379,
41.5989


330.9414,
452.2120, 368.5680


 26.5383, 49.6032,
28.4641


 72.1502, 115.8340,
78.8557


 17.3616, 35.0982,
18.4337


 94.5992, 146.7642,
103.8149


 10.5895, 23.7385,
11.0892


 121.2797,
182.7616, 133.5526

 5.8568, 15.1398,
6.0119

 152.5570,
224.2108, 168.4873

 2.7980, 8.9176,
2.7834

 188.7964,
271.4960, 209.0377

 1.0479, 4.6874,
0.9851

230.3634,

 0.0000, 2.0651,

325.0017, 255.6223

0.0000

277.6233,
385.1122, 308.6595

■ 0.0000, 0.6449,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.4851, 67.6379,
41.5989

■ 38.4851, 67.6379,
41.5989

■ 38.4860, 67.6402,
41.5971

■ 39.6630, 68.1560,
45.7639

■ 41.3873, 68.9472,
50.2595

■ 43.8129, 70.0930,
55.1006

■ 47.0318, 71.6407,
60.2975

■ 51.1217, 73.6302,
65.8597

■ 56.1505, 76.0965,
71.7962

■ 62.1793, 79.0708,
78.1152

■ 69.2637, 82.5818,
84.8248

■ 77.4551, 86.6558,
91.9329

Harmonies

Analogous

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



46.6365, 67.6379, 20.5393



38.4851, 67.6379, 41.5989



36.6503, 67.6379, 84.3720

Triad

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



38.4851, 67.6379, 41.5989



67.9313, 67.6379, 214.0252



94.9099, 67.6379, 30.6149

Complementary

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



38.4851, 67.6379, 41.5989



39.5471, 20.1694, 11.7112

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.



103.1805, 67.6379, 63.8702



38.4851, 67.6379, 41.5989



85.9106, 67.6379, 179.8522

Square

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



38.4851, 67.6379, 41.5989



51.8191, 67.6379, 199.0755



99.6233, 67.6379, 118.9752



78.6115, 67.6379, 16.4696

Rectangle

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



38.4851, 67.6379, 41.5989



38.9019, 67.6379, 123.9887



99.6233, 67.6379, 118.9752



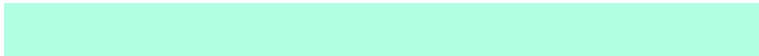
98.8422, 67.6379, 39.1928

Sweetspot

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



38.4869, 67.6406, 41.6005



68.0427, 86.5673, 85.4948



37.2628, 67.6834, 11.1008



13.9381, 18.2198, 17.6628



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.4869, 67.6406, 41.6005



42.1295, 74.0678, 45.4613



41.1466, 55.9215, 95.0147



16.7204, 18.6473, 19.8119



20.8016, 36.4655, 22.7727



1.8778, 3.2248, 2.2626

Inverse Universe

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



39.5471, 20.1694, 11.7112



43.2929, 22.0812, 12.7407



38.0874, 20.2726, 1.9062



16.7537, 16.5843, 18.4494



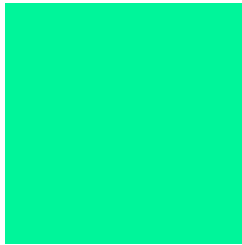
21.3649, 10.8894, 6.6300



1.9257, 0.9763, 0.8352

Previews

White Background



This preview shows how the XYZ color 38.4851, 67.6379, 41.5989 looks on a white background.

Color Contrast Check

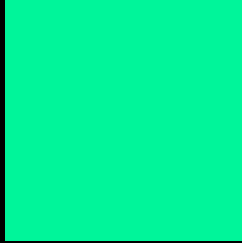
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 38.4851, 67.6379, 41.5989 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](#).

XYZ 38.4851, 67.6379, 41.5989

Background



This preview shows how black text looks on a background with the XYZ color 38.4851, 67.6379, 41.5989.

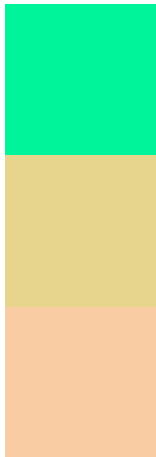


This preview shows how white text looks on a background with the XYZ color 38.4851, 67.6379,

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

38.4851, 67.6379, 41.5989

Protanopia

61.5570, 66.5005, 34.7908

Deuteranopia

67.2706, 65.9698, 43.8382



Tritanopia

50.6401, 67.3323, 102.4229

Trichromacy



Original Color

38.4851, 67.6379, 41.5989



Protanomaly

44.1461, 62.1288, 36.8594



Deuteranomaly

45.7772, 60.4702, 42.5169



Tritanomaly

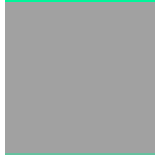
44.2544, 66.3385, 75.4379

Monochromacy



Original Color

38.4851, 67.6379, 41.5989



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

30.5007, 42.9927, 39.0386

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4851, 67.6379, 41.5989 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, 245, 154)` looks like.

```
.text, #text, p{  
    color:rgb(0, 245, 154)  
}
```

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, 245, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 245, 154) }
```

Border

The CSS property to change the border of an element to XYZ 38.4851, 67.6379, 41.5989 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, 245, 154) }
```


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

```
.border{ border-color:rgb(0, 245, 154) }
```

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

Here you see how a box with a 4 pixel rgb(0, 245, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 245, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 245, 154);  
box-shadow:4px 4px 4px 4px rgb(0, 245,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4851, 67.6379, 41.5989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 245, 154) }
```

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

```
.background{ background-color: rgb(0, 245,  
154) }
```

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