

Converting Colors

XYZ(38.7667, 68.7235, 40.0801)

Have a look what the booklet for
XYZ(38.7667, 68.7235, 40.0801)
contains.

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Color

**XYZ(38.7658, 68.7235,
40.0760)**

Conversions

Conversions Part 1

Format	Color
Hex	00F796
RGB	0, 247, 150
RGB Percent	0%, 97%, 59%
CMY	0.9999, 0.0314, 0.4118
CMYK	1.00, 0.00, 0.39, 0.03
HSL	156°, 100%, 48%
HSV	156°, 100%, 97%
XYZ	38.7658, 68.7235, 40.0760
YIQ	162.0890, -116.0750, -82.5310

Conversions

Conversions Part 2

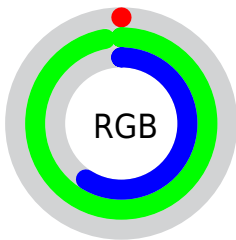
Format	Color
RYB	0, 154, 247
Decimal	63382
CIELab	86.37, -70.44, 33.16
CIELCh	86, 77.854, 154.787
Yxy	68.7235, 0.2627, 0.4657
Android (android.graphics.Color)	4278253462 (0xFF00F796)
YUV	162.0890, -5.9599, -142.1521
Hunter-Lab	82.8996, -61.6036, 29.3673

Details

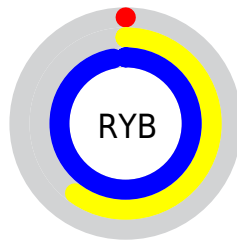
The XYZ color **38.7658, 68.7235, 40.0760** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **40.5184, 20.6390, 13.1641**, and the grayscale version is **34.4549, 36.2493, 39.4755**.

A 20% lighter version of the original color is **53.5895, 79.4385, 70.2663**, and **20.4022, 37.2770, 17.6752** is the 20% darker color. If you saturate the color by 10%, you get **38.7664, 68.7257, 40.0732**, and if you desaturate by 10%, it is **39.9755, 69.2549, 44.3827**.

Distribution



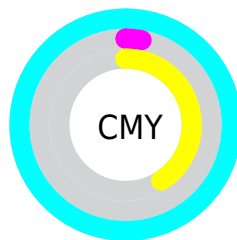
- Red (0%)
- Green (97%)
- Blue (59%)



- Red (0%)
- Yellow (60%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (3%)





- Cyan (100%)
- Magenta (3%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7658, 68.7235, 40.0760 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 38.7658, 68.7235, 40.0760 by changing the saturation by 10% instead.


 38.7658, 68.7235,
40.0760


 38.7658, 68.7235,
40.0760


332.1181,
456.0552, 362.0054


 26.7575, 50.4866,
27.2836


 72.5768, 117.3866,
76.5176


 17.5268, 35.8002,
17.5520


 95.1101, 148.5815,
101.0038


 10.7084, 24.2799,
10.4627


 121.8826,
184.8645, 130.2251

 5.9370, 15.5414,
5.5972

 153.2594,
226.6200, 164.5999

 2.8471, 9.2002,
2.5370

 189.6060,
274.2325, 204.5468

 1.0734, 4.8720,
0.8596

231.2878,

 0.0027, 2.1724,

328.0862, 250.4843

0.0000

278.6700,
388.5657, 302.8310

■ 0.0000, 0.7049,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.7658, 68.7235,
40.0760

■ 38.7658, 68.7235,
40.0760

■ 38.7664, 68.7257,
40.0732

■ 39.9755, 69.2549,
44.3827

■ 41.7488, 70.0674,
49.0598

■ 44.2433, 71.2439,
54.1238

■ 47.5532, 72.8327,
59.5864

■ 51.7580, 74.8747,
65.4585

■ 56.9271, 77.4056,
71.7503

■ 63.1231, 80.4574,
78.4714

■ 70.4029, 84.0593,
85.6311

■ 78.8192, 88.2384,
93.2383

Harmonies

Analogous

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



47.5124, 68.7235, 19.4074



38.7658, 68.7235, 40.0760



36.5676, 68.7235, 83.3997

Triad

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



38.7658, 68.7235, 40.0760



68.2477, 68.7235, 223.2363



98.0296, 68.7235, 31.3583

Complementary

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



38.7658, 68.7235, 40.0760



40.5184, 20.6390, 13.1641

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.



106.1880, 68.7235, 66.8651



38.7658, 68.7235, 40.0760



87.0985, 68.7235, 189.1729

Square

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



38.7658, 68.7235, 40.0760



51.6702, 68.7235, 204.9265



101.8607, 68.7235, 125.4329



81.1831, 68.7235, 16.2369

Rectangle

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



38.7658, 68.7235, 40.0760



38.6891, 68.7235, 124.4937



101.8607, 68.7235, 125.4329



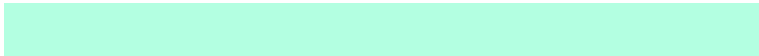
102.0069, 68.7235, 40.5176

Sweetspot

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



38.7676, 68.7262, 40.0776



67.8194, 86.4780, 84.3190



38.3878, 69.1664, 11.3280



13.8849, 18.1985, 17.3826



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.



38.7676, 68.7262, 40.0776



41.6636, 73.8815, 43.0082



42.9921, 59.1212, 97.1445



16.7049, 18.6411, 19.7306



20.5734, 36.3742, 21.5709



1.8586, 3.2171, 2.1614

Inverse Universe

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



40.5184, 20.6390, 13.1641



43.5476, 22.1830, 14.0817



38.7011, 20.4585, 1.9099



16.7686, 16.5903, 18.5282



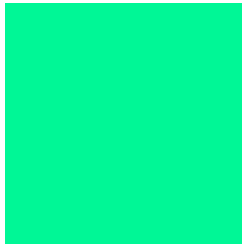
21.4924, 10.9404, 7.3016



1.9380, 0.9811, 0.8997

Previews

White Background



This preview shows how the XYZ color 38.7658, 68.7235, 40.0760 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 38.7658, 68.7235, 40.0760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

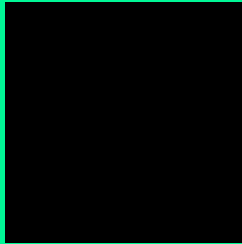
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.7658, 68.7235, 40.0760

Background



This preview shows how black text looks on a background with the XYZ color 38.7658, 68.7235, 40.0760.

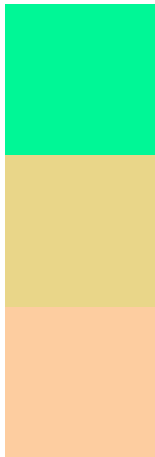


This preview shows how white text looks on a background with the XYZ color 38.7658, 68.7235,

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

38.7658, 68.7235, 40.0760

Protanopia

62.1662, 67.2229, 33.3657

Deuteranopia

68.6845, 67.0834, 42.5860



Tritanopia

51.7175, 68.6963, 104.2998

Trichromacy



Original Color

38.7658, 68.7235, 40.0760



Protanomaly

44.2916, 62.6416, 35.3478



Deuteranomaly

46.2919, 61.1638, 40.8184



Tritanomaly

44.9485, 67.5607, 75.6372

Monochromacy



Original Color

38.7658, 68.7235, 40.0760



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

30.8350, 43.4921, 39.1174

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7658, 68.7235, 40.0760 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, 247, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 247, 150)  
}
```

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, 247, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 247, 150) }
```

Border

The CSS property to change the border of an element to XYZ 38.7658, 68.7235, 40.0760 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, 247, 150) }
```


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

```
.border{ border-color:rgb(0, 247, 150) }
```

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

Here you see how a box with a 4 pixel rgb(0, 247, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 247, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 247, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 247,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7658, 68.7235, 40.0760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 247, 150) }
```

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

```
.background{ background-color: rgb(0, 247,  
150) }
```

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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