

Converting Colors

XYZ(38.5142, 67.5533, 42.0453)

Have a look what the booklet for
XYZ(38.5142, 67.5533, 42.0453)
contains.

XYZ(38.5688, 67.6714, 42.0394)	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(38.5688, 67.6714,
42.0394)**

Conversions

Conversions Part 1

Format	Color
Hex	00F59B
RGB	0, 245, 155
RGB Percent	0%, 96%, 61%
CMY	0.9999, 0.0392, 0.3921
CMYK	1.00, 0.00, 0.37, 0.04
HSL	158°, 100%, 48%
HSV	158°, 100%, 96%
XYZ	38.5688, 67.6714, 42.0394
YIQ	161.4850, -117.1300, -79.9300

Conversions

Conversions Part 2

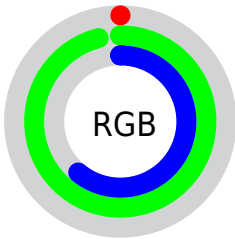
Format	Color
RYB	0, 150, 245
Decimal	62875
CIELab	85.84, -68.80, 29.96
CIELCh	86, 75.041, 156.472
Yxy	67.6714, 0.2601, 0.4564
Android (android.graphics.Color)	4278252955 (0xFF00F59B)
YUV	161.4850, -3.1971, -141.6223
Hunter-Lab	82.2626, -60.2699, 27.2843

Details

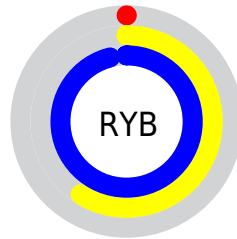
The XYZ color **38.5688, 67.6714, 42.0394** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **39.5044, 20.1524, 11.4863**, and the grayscale version is **34.1598, 35.9388, 39.1374**.

A 20% lighter version of the original color is **54.2029, 79.6839, 73.4965**, and **20.2185, 36.5199, 18.8154** is the 20% darker color. If you saturate the color by 10%, you get **38.5695, 67.6736, 42.0370**, and if you desaturate by 10%, it is **39.7441, 68.1884, 46.1906**.

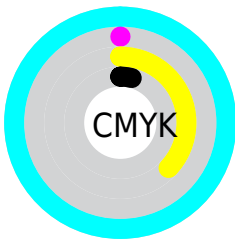
Distribution



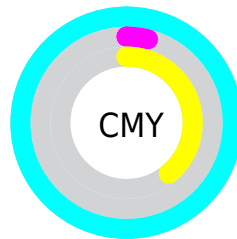
- Red (0%)
- Green (96%)
- Blue (61%)



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



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





- Cyan (100%)
- Magenta (4%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5688, 67.6714, 42.0394 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 38.5688, 67.6714, 42.0394 by changing the saturation by 10% instead.


 38.5688, 67.6714,
42.0394


 38.5688, 67.6714,
42.0394

331.2925,
452.3309, 370.4507


 26.6037, 49.6305,
28.8063


 72.2774, 115.8819,
79.5300


 17.4108, 35.1199,
18.6901


 94.7516, 146.8203,
104.6246

 10.6249, 23.7552,
11.2720


 121.4595,
182.8266, 134.5101

 5.8807, 15.1521,
6.1336

 152.7665,
224.2852, 169.6051

 2.8126, 8.9262,
2.8564

 189.0380,
271.5806, 210.3282

 1.0555, 4.6931,
1.0218

230.6392,

 0.0000, 2.0683,

325.0970, 257.0977

0.0000

277.9356,
385.2190, 310.3324

■ 0.0000, 0.6467,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.5688, 67.6714,
42.0394

■ 38.5688, 67.6714,
42.0394

■ 38.5695, 67.6736,
42.0370

■ 39.7441, 68.1884,
46.1906

■ 41.4647, 68.9782,
50.6662

■ 43.8854, 70.1220,
55.4809

■ 47.0981, 71.6673,
60.6449

■ 51.1806, 73.6539,
66.1674

■ 56.2008, 76.1167,
72.0572

■ 62.2194, 79.0870,
78.3224

■ 69.2924, 82.5934,
84.9709

■ 77.4709, 86.6623,
92.0103

Harmonies

Analogous

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



46.6369, 67.6714, 20.8327



38.5688, 67.6714, 42.0394



36.7962, 67.6714, 84.8527

Triad

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



38.5688, 67.6714, 42.0394



68.1100, 67.6714, 213.0500



94.6581, 67.6714, 30.5852

Complementary

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



38.5688, 67.6714, 42.0394



39.5044, 20.1524, 11.4863

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.



102.9772, 67.6714, 63.5386



38.5688, 67.6714, 42.0394



85.9873, 67.6714, 178.7459

Square

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



38.5688, 67.6714, 42.0394



52.0302, 67.6714, 198.6691



99.5508, 67.6714, 118.1929



78.4062, 67.6714, 16.5739

Rectangle

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



38.5688, 67.6714, 42.0394



39.0805, 67.6714, 124.3250



99.5508, 67.6714, 118.1929



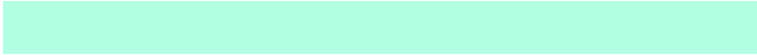
98.5954, 67.6714, 39.0848

Sweetspot

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



38.5706, 67.6741, 42.0410



68.0857, 86.5845, 85.7212



37.2630, 67.6835, 11.1010



13.9484, 18.2239, 17.7168



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.



38.5706, 67.6741, 42.0410



42.2210, 74.1044, 45.9434



41.1468, 55.9218, 95.0148



16.7234, 18.6485, 19.8275



20.8464, 36.4834, 23.0086



1.8816, 3.2263, 2.2823

Inverse Universe

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



39.5044, 20.1524, 11.4863



43.2462, 22.0625, 12.4944



38.0875, 20.2728, 1.9063



16.7508, 16.5832, 18.4343



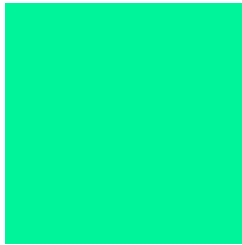
21.3415, 10.8800, 6.5064



1.9234, 0.9753, 0.8232

Previews

White Background



This preview shows how the XYZ color 38.5688, 67.6714, 42.0394 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 38.5688, 67.6714, 42.0394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

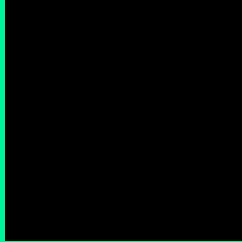
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.5688, 67.6714, 42.0394

Background



This preview shows how black text looks on a background with the XYZ color 38.5688, 67.6714, 42.0394.

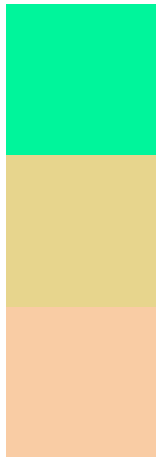


This preview shows how white text looks on a background with the XYZ color 38.5688, 67.6714,

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

38.5688, 67.6714, 42.0394

Protanopia

61.5570, 66.5005, 34.7908

Deuteranopia

67.3606, 66.0058, 44.3121



Tritanopia

50.6401, 67.3323, 102.4229

Trichromacy



Original Color

38.5688, 67.6714, 42.0394



Protanomaly

44.1461, 62.1288, 36.8594



Deuteranomaly

45.8651, 60.5053, 42.9796



Tritanomaly

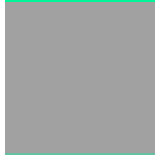
44.3841, 66.3904, 76.1210

Monochromacy



Original Color

38.5688, 67.6714, 42.0394



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

30.5871, 43.0273, 39.4939

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5688, 67.6714, 42.0394 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, 155)` looks like.

```
.text, #text, p{  
    color:rgb(0, 245, 155)  
}
```

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, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 245, 155) }
```

Border

The CSS property to change the border of an element to XYZ 38.5688, 67.6714, 42.0394 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, 155) }
```


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

```
.border{ border-color:rgb(0, 245, 155) }
```

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, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 245, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 245, 155);  
box-shadow:4px 4px 4px 4px rgb(0, 245,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5688, 67.6714, 42.0394 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, 155) }
```

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

```
.background{ background-color: rgb(0, 245,  
155) }
```

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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