

Converting Colors

XYZ(51.3291, 100.0000,
39.0031)

Have a look what the booklet for
XYZ(51.3291, 100.0000, 39.0031)
contains.

XYZ(40.0631, 73.2412, 34.5797)	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(40.0631, 73.2412,
34.5797)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF86
RGB	0, 255, 134
RGB Percent	0%, 100%, 53%
CMY	0.9999, 0.0000, 0.4745
CMYK	1.00, 0.00, 0.47, 0.00
HSL	152°, 100%, 50%
HSV	152°, 100%, 100%
XYZ	40.0631, 73.2412, 34.5797
YIQ	164.9610, -113.1390, -91.6910

Conversions

Conversions Part 2

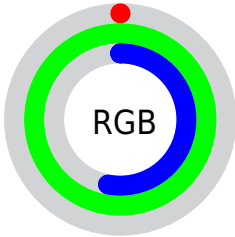
Format	Color
RYB	0, 167, 255
Decimal	65414
CIELab	88.56, -75.81, 43.83
CIELCh	89, 87.567, 149.967
Yxy	73.2412, 0.2709, 0.4953
Android (android.graphics.Color)	4278255494 (0xFF00FF86)
YUV	164.9610, -15.2638, -144.6708
Hunter-Lab	85.5811, -66.2056, 35.9502

Details

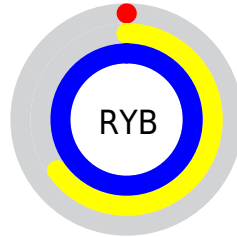
The XYZ color **40.0631, 73.2412, 34.5797** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **44.6926, 22.6414, 20.1099**, and the grayscale version is **35.8582, 37.7257, 41.0832**.

A 20% lighter version of the original color is **52.1478, 78.9071, 60.6262**, and **21.4892, 40.5417, 14.6754** is the 20% darker color. If you saturate the color by 10%, you get **40.0626, 73.2410, 34.5771**, and if you desaturate by 10%, it is **41.3703, 73.8119, 39.3033**.

Distribution



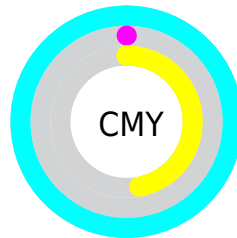
- Red (0%)
- Green (100%)
- Blue (53%)



- Red (0%)
- Yellow (65%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0631, 73.2412, 34.5797 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 40.0631, 73.2412, 34.5797 by changing the saturation by 10% instead.


 40.0631, 73.2412,
34.5797


 40.0631, 73.2412,
34.5797


337.5193,
471.8503, 337.5570


 27.7722, 54.1732,
23.0583


 74.5433, 123.8196,
67.9783


 18.2936, 38.7402,
14.4309


 97.4633, 156.0987,
90.6926


 11.2619, 26.5576,
8.2788


 124.6571,
193.5504, 117.9750

 6.3119, 17.2413,
4.1835

 156.4899,
236.5590, 150.2440

 3.0781, 10.4067,
1.7266

 193.3272,
285.5089, 187.9182

 1.1952, 5.6694,
0.3788

235.5343,

 0.1026, 2.6451,

340.7845, 231.4160

0.0000

283.4765,
402.7702, 281.1561

■ 0.0000, 0.9494,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.0631, 73.2412,
34.5797

■ 40.0631, 73.2412,
34.5797

■ 40.0626, 73.2410,
34.5771

■ 41.3703, 73.8119,
39.3033

■ 43.3156, 74.7001,
44.5758

■ 46.0668, 75.9918,
50.4218

■ 49.7275, 77.7403,
56.8609

■ 54.3850, 79.9901,
63.9112

■ 60.1156, 82.7803,
71.5901

■ 66.9879, 86.1460,
79.9139

■ 75.0647, 90.1192,
88.8984

■ 84.4040, 94.7296,
98.5587

Harmonies

Analogous

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



51.2493, 73.2412, 15.4961



40.0631, 73.2412, 34.5797



36.4108, 73.2412, 79.6800

Triad

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



40.0631, 73.2412, 34.5797



69.5901, 73.2412, 261.5356



111.0133, 73.2412, 34.6464

Complementary

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



40.0631, 73.2412, 34.5797



44.6926, 22.6414, 20.1099

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.



118.5832, 73.2412, 79.8144



40.0631, 73.2412, 34.5797



91.9116, 73.2412, 228.7208

Square

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



40.0631, 73.2412, 34.5797



51.2162, 73.2412, 228.5852



110.9813, 73.2412, 153.1933



91.9605, 73.2412, 15.5187

Rectangle

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



40.0631, 73.2412, 34.5797



38.0172, 73.2412, 126.3744



110.9813, 73.2412, 153.1933



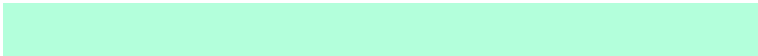
115.1383, 73.2412, 46.2835

Sweetspot

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



40.0636, 73.2415, 34.5809



66.9815, 86.1428, 79.9064



43.9660, 75.7503, 12.3047



13.6860, 18.1189, 16.3351



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.



40.0636, 73.2415, 34.5809



40.0626, 73.2410, 34.5771



52.4695, 76.0586, 106.5231



18.1703, 20.3277, 21.2000



21.0096, 38.3005, 18.4679



2.1009, 3.7513, 2.0890

Inverse Universe

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



44.6926, 22.6414, 20.1099



44.6916, 22.6407, 20.1060



41.2865, 21.3528, 1.9461



18.3683, 18.1306, 20.5565



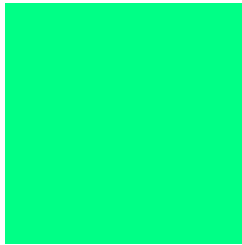
23.4266, 11.8599, 10.8968



2.3357, 1.1767, 1.3492

Previews

White Background



This preview shows how the XYZ color 40.0631, 73.2412, 34.5797 looks on a white background.

Color Contrast Check

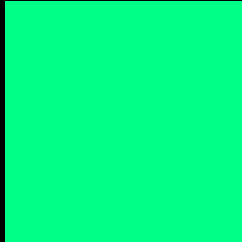
Large Text (above 18pt) WCAG AA × Fail

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 40.0631, 73.2412, 34.5797 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

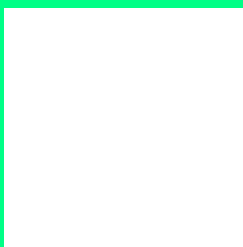
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.0631, 73.2412, 34.5797

Background



This preview shows how black text looks on a background with the XYZ color 40.0631, 73.2412, 34.5797.

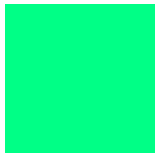


This preview shows how white text looks on a background with the XYZ color 40.0631, 73.2412,

Color Blindness Simulation

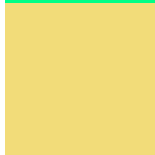
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

40.0631, 73.2412, 34.5797



Protanopia

65.6623, 71.4441, 28.4185



Deuteranopia

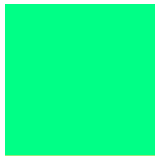
71.9172, 71.6017, 46.1065



Tritanopia

56.9367, 72.6542, 105.6305

Trichromacy



Original Color

40.0631, 73.2412, 34.5797



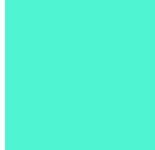
Protanomaly

46.2312, 66.6542, 30.1676



Deuteranomaly

48.4764, 65.5013, 40.6599



Tritanomaly

47.3330, 71.0668, 72.8506

Monochromacy



Original Color

40.0631, 73.2412, 34.5797



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

31.8525, 45.7245, 37.7188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0631, 73.2412, 34.5797 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, 255, 134)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 134)  
}
```

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, 255, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 134) }
```

Border

The CSS property to change the border of an element to XYZ 40.0631, 73.2412, 34.5797 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, 255, 134) }
```


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

```
.border{ border-color:rgb(0, 255, 134) }
```

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

Here you see how a box with a 4 pixel rgb(0, 255, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 134);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0631, 73.2412, 34.5797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 134) }
```

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

```
.background{ background-color: rgb(0, 255,  
134) }
```

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