

Converting Colors

XYZ(51.1510, 100.0000,
45.7346)

Have a look what the booklet for
XYZ(51.1510, 100.0000, 45.7346)
contains.

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Color

**XYZ(41.3459, 73.7544,
41.3350)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF97
RGB	0, 255, 151
RGB Percent	0%, 100%, 59%
CMY	0.9999, 0.0000, 0.4078
CMYK	1.00, 0.00, 0.41, 0.00
HSL	156°, 100%, 50%
HSV	156°, 100%, 100%
XYZ	41.3459, 73.7544, 41.3350
YIQ	166.8990, -118.5960, -86.4040

Conversions

Conversions Part 2

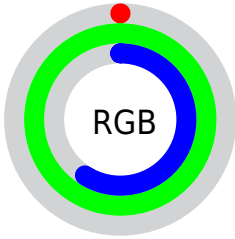
Format	Color
RYB	0, 160, 255
Decimal	65431
CIELab	88.81, -72.90, 35.88
CIELCh	89, 81.254, 153.792
Yxy	73.7544, 0.2643, 0.4715
Android (android.graphics.Color)	4278255511 (0xFF00FF97)
YUV	166.8990, -7.8382, -146.3704
Hunter-Lab	85.8804, -64.3544, 31.5795

Details

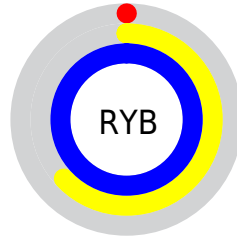
The XYZ color **41.3459, 73.7544, 41.3350** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **43.7398, 22.2603, 15.0928**, and the grayscale version is **36.7625, 38.6770, 42.1193**.

A 20% lighter version of the original color is **53.9708, 79.6211, 70.9164**, and **22.2184, 40.8334, 18.5150** is the 20% darker color. If you saturate the color by 10%, you get **41.3455, 73.7542, 41.3326**, and if you desaturate by 10%, it is **42.6425, 74.3208, 46.0029**.

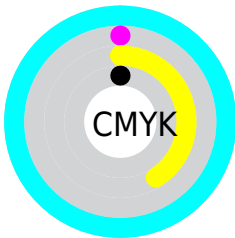
Distribution



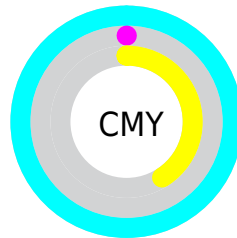
- Red (0%)
- Green (100%)
- Blue (59%)



- Red (0%)
- Yellow (63%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.3459, 73.7544, 41.3350 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 41.3459, 73.7544, 41.3350 by changing the saturation by 10% instead.


 41.3459, 73.7544,
41.3350


 41.3459, 73.7544,
41.3350


342.8022,
473.6253, 367.4368


 28.7783, 54.5930,
28.2593


 76.4801, 124.5476,
78.4514


 19.0566, 39.0760,
18.2804


 99.7774, 156.9482,
103.3291


 11.8155, 26.8189,
10.9800


 127.3821,
194.5307, 132.9779

 6.6894, 17.4372,
5.9394

 159.6594,
237.6795, 167.8163

 3.3132, 10.5467,
2.7401

 196.9747,
286.7790, 208.2628

 1.3215, 5.7629,
0.9635

239.6933,

 0.1992, 2.7015,

342.2135, 254.7361

0.0000

288.1807,
404.3675, 307.6546

■ 0.0000, 0.9779,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.3459, 73.7544,
41.3350

■ 41.3459, 73.7544,
41.3350


■ 41.3455, 73.7542,
41.3326


■ 42.6425, 74.3208,
46.0029


■ 44.5539, 75.1954,
51.0970


■ 47.2467, 76.4638,
56.6357


■ 50.8235, 78.1786,
62.6327

 55.3703, 80.3842,
69.1008

 60.9627, 83.1191,
76.0520

 67.6682, 86.4180,
83.4975

 75.5486, 90.3127,
91.4484

 84.6611, 94.8324,
99.9151

Harmonies

Analogous

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



51.0977, 73.7544, 19.7288



41.3459, 73.7544, 41.3350



38.7265, 73.7544, 87.6850

Triad

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



41.3459, 73.7544, 41.3350



72.6326, 73.7544, 244.1532



106.4706, 73.7544, 33.8669

Complementary

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



41.3459, 73.7544, 41.3350



43.7398, 22.2603, 15.0928

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.



115.0238, 73.7544, 73.3531



41.3459, 73.7544, 41.3350



93.3141, 73.7544, 208.1716

Square

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



41.3459, 73.7544, 41.3350



54.6878, 73.7544, 221.9848



109.8100, 73.7544, 138.2790



88.1689, 73.7544, 17.0500

Rectangle

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



41.3459, 73.7544, 41.3350



40.8735, 73.7544, 132.4151



109.8100, 73.7544, 138.2790



110.7219, 73.7544, 44.0520

Sweetspot

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



41.3464, 73.7546, 41.3362



67.6622, 86.4151, 83.4913



41.7352, 74.6003, 12.2002



13.8475, 18.1836, 17.1856



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.



41.3464, 73.7546, 41.3362



41.3455, 73.7542, 41.3326



47.4024, 65.9245, 104.8341



18.2230, 20.3487, 21.4771



21.6799, 38.5685, 21.9973



2.1651, 3.7770, 2.4274

Inverse Universe

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



43.7398, 22.2603, 15.0928



43.7390, 22.2596, 15.0894



41.5132, 21.8063, 2.0216



18.3165, 18.1099, 20.2837



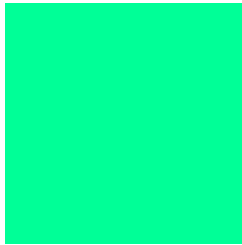
22.9241, 11.6589, 8.2507



2.2846, 1.1562, 1.0801

Previews

White Background



This preview shows how the XYZ color 41.3459, 73.7544, 41.3350 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 41.3459, 73.7544, 41.3350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

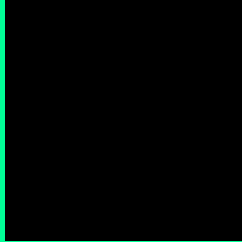
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.3459, 73.7544, 41.3350

Background



This preview shows how black text looks on a background with the XYZ color 41.3459, 73.7544, 41.3350.

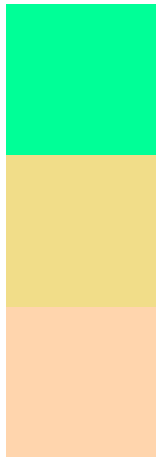


This preview shows how white text looks on a background with the XYZ color 41.3459, 73.7544,

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

41.3459, 73.7544, 41.3350

Protanopia

66.6474, 72.2198, 34.0940

Deuteranopia

72.5771, 71.8656, 49.5814



Tritanopia

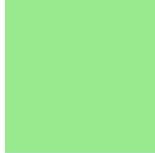
57.5266, 72.9583, 105.6581

Trichromacy



Original Color

41.3459, 73.7544, 41.3350



Protanomaly

47.1583, 67.0031, 36.0386



Deuteranomaly

49.4352, 65.8848, 45.7088



Tritanomaly

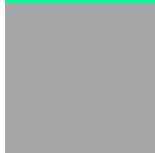
48.2684, 71.4605, 76.8949

Monochromacy



Original Color

41.3459, 73.7544, 41.3350



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

32.8003, 46.4842, 40.9618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3459, 73.7544, 41.3350 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, 151)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 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(0, 255, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 151) }
```

Border

The CSS property to change the border of an element to XYZ 41.3459, 73.7544, 41.3350 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, 151) }
```


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

```
.border{ border-color:rgb(0, 255, 151) }
```

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, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 151);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3459, 73.7544, 41.3350 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, 151) }
```

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

```
.background{ background-color: rgb(0, 255,  
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](#).

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