

Converting Colors

XYZ(43.6158, 82.0733, 37.7666)

Have a look what the booklet for
XYZ(43.6158, 82.0733, 37.7666)
contains.

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Color

**XYZ(40.3474, 73.3550,
36.0772)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF8A
RGB	0, 255, 138
RGB Percent	0%, 100%, 54%
CMY	1.0000, 0.0000, 0.4588
CMYK	1.00, 0.00, 0.46, 0.00
HSL	152°, 100%, 50%
HSV	152°, 100%, 100%
XYZ	40.3474, 73.3550, 36.0772
YIQ	165.4170, -114.4230, -90.4470

Conversions

Conversions Part 2

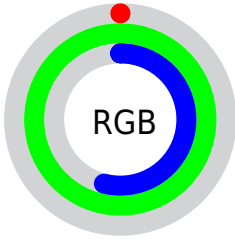
Format	Color
RYB	0, 165, 255
Decimal	65418
CIELab	88.62, -75.16, 41.98
CIELCh	89, 86.087, 150.815
Yxy	73.3550, 0.2694, 0.4898
Android (android.graphics.Color)	4278255498 (0xFF00FF8A)
YUV	165.4170, -13.5166, -145.0707
Hunter-Lab	85.6475, -65.7942, 34.9786

Details

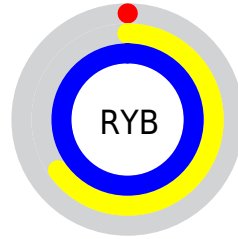
The XYZ color **40.3474, 73.3550, 36.0772** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **44.4516, 22.5449, 18.8413**, and the grayscale version is **36.0685, 37.9469, 41.3242**.

A 20% lighter version of the original color is **52.5881, 79.0833, 62.9450**, and **21.6460, 40.6044, 15.5007** is the 20% darker color. If you saturate the color by 10%, you get **40.3473, 73.3549, 36.0762**, and if you desaturate by 10%, it is **41.6548, 73.9257, 40.8028**.

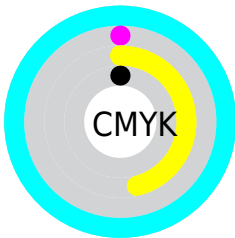
Distribution



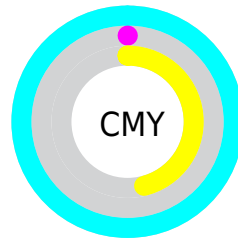
- Red (0%)
- Green (100%)
- Blue (54%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3474, 73.3550, 36.0772 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 40.3474, 73.3550, 36.0772 by changing the saturation by 10% instead.


 40.3474, 73.3550,
36.0772


 40.3474, 73.3550,
36.0772


338.6950,
472.2443, 344.3455


 27.9949, 54.2663,
24.2037


 74.9732, 123.9810,
70.3216


 18.4623, 38.8146,
15.2712


 97.9773, 156.2872,
93.5295


 11.3841, 26.6155,
8.8612


 125.2626,
193.7679, 121.3527

 6.3950, 17.2847,
4.5552

 157.1944,
236.8076, 154.2096

 3.1296, 10.4377,
1.9346

 194.1383,
285.7907, 192.5187

 1.2227, 5.6901,
0.5146


236.4594,


 0.1242, 2.6576,


341.1016, 236.6988


0.0000


284.5232,
403.1246, 287.1682

 0.0000, 0.9557,
0.0000


 0.0000, 0.0000,
0.0000


 40.3474, 73.3550,
36.0772

 40.3474, 73.3550,
36.0772


 40.3473, 73.3549,
36.0762


 41.6548, 73.9257,
40.8028


 43.5946, 74.8116,
46.0476


 46.3343, 76.0987,
51.8344


 49.9772, 77.8400,
58.1813

 54.6103, 80.0800,
65.1049

 60.3097, 82.8577,
72.6212

 67.1437, 86.2080,
80.7452

 75.1748, 90.1630,
89.4914

 84.4608, 94.7520,
98.8736

Harmonies

Analogous

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



51.2014, 73.3550, 16.4129



40.3474, 73.3550, 36.0772



36.9312, 73.3550, 81.5090

Triad

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



40.3474, 73.3550, 36.0772



70.2913, 73.3550, 257.4701



109.9457, 73.3550, 34.4437

Complementary

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



40.3474, 73.3550, 36.0772



44.4516, 22.5449, 18.8413

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.



117.7556, 73.3550, 78.2553



40.3474, 73.3550, 36.0772



92.2430, 73.3550, 223.8446

Square

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



40.3474, 73.3550, 36.0772



52.0065, 73.3550, 227.0941



110.7171, 73.3550, 149.6217



91.0623, 73.3550, 15.8529

Rectangle

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



40.3474, 73.3550, 36.0772



38.6610, 73.3550, 127.7913



110.7171, 73.3550, 149.6217



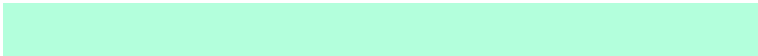
114.1036, 73.3550, 45.7354

Sweetspot

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



40.3478, 73.3552, 36.0784



67.1400, 86.2062, 80.7410



43.3688, 75.4424, 12.2764



13.7235, 18.1340, 16.5327



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.



40.3478, 73.3552, 36.0784



40.3473, 73.3549, 36.0762



51.1583, 73.4365, 106.0861



18.1827, 20.3326, 21.2651



21.1586, 38.3600, 19.2525



2.1153, 3.7571, 2.1651

Inverse Universe

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



44.4516, 22.5449, 18.8413



44.4510, 22.5444, 18.8391



41.3325, 21.4448, 1.9612



18.3560, 18.1257, 20.4920



23.3000, 11.8093, 10.2301



2.3230, 1.1716, 1.2824

Previews

White Background



This preview shows how the XYZ color 40.3474, 73.3550, 36.0772 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 40.3474, 73.3550, 36.0772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

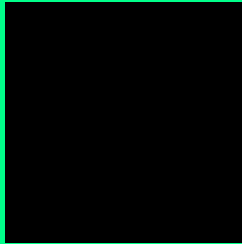
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.3474, 73.3550, 36.0772

Background



This preview shows how black text looks on a background with the XYZ color 40.3474, 73.3550, 36.0772.



This preview shows how white text looks on a background with the XYZ color 40.3474, 73.3550,

Color Blindness Simulation

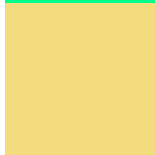
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

40.3474, 73.3550, 36.0772



Protanopia

65.9128, 71.5443, 29.7375



Deuteranopia

72.1021, 71.6757, 47.0804



Tritanopia

57.0820, 72.7290, 105.6373

Trichromacy



Original Color

40.3474, 73.3550, 36.0772



Protanomaly

46.4946, 66.7596, 31.5545



Deuteranomaly

48.7295, 65.6025, 41.9925



Tritanomaly

47.5426, 71.1603, 73.5169

Monochromacy



Original Color

40.3474, 73.3550, 36.0772



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

31.9362, 45.7580, 38.1593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3474, 73.3550, 36.0772 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, 138)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 138)  
}
```

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, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 138) }
```

Border

The CSS property to change the border of an element to XYZ 40.3474, 73.3550, 36.0772 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, 138) }
```


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

```
.border{ border-color:rgb(0, 255, 138) }
```

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, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 138);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3474, 73.3550, 36.0772 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, 138) }
```

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

```
.background{ background-color: rgb(0, 255,  
138) }
```

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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