

Converting Colors

XYZ(40.2560, 73.3384, 34.6890)

Have a look what the booklet for
XYZ(40.2560, 73.3384, 34.6890)
contains.

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Color

**XYZ(40.2442, 73.3346,
34.5882)**

Conversions

Conversions Part 1

Format	Color
Hex	0EFF86
RGB	14, 255, 134
RGB Percent	5%, 100%, 53%
CMY	0.9450, 0.0000, 0.4745
CMYK	0.95, 0.00, 0.47, 0.00
HSL	150°, 100%, 53%
HSV	150°, 95%, 100%
XYZ	40.2442, 73.3346, 34.5882
YIQ	169.1470, -104.7950, -88.7230

Conversions

Conversions Part 2

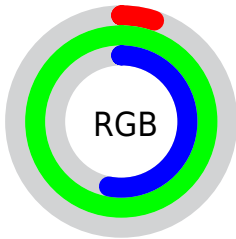
Format	Color
RYB	14, 175, 255
Decimal	982918
CIELab	88.61, -75.44, 43.89
CIELCh	89, 87.277, 149.807
Yxy	73.3346, 0.2716, 0.4949
Android (android.graphics.Color)	4279172998 (0xFF0EFF86)
YUV	169.1470, -17.3275, -136.0639
Hunter-Lab	85.6356, -65.9768, 35.9977

Details

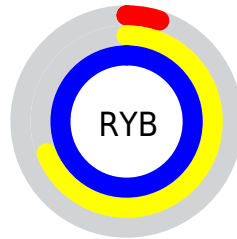
The XYZ color **40.2442, 73.3346, 34.5882** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **45.7713, 23.3241, 25.0158**, and the grayscale version is **37.9072, 39.8814, 43.4308**.

A 20% lighter version of the original color is **52.4165, 79.0457, 60.6388**, and **21.4892, 40.5417, 14.6754** is the 20% darker color. If you saturate the color by 10%, you get **39.5886, 73.0514, 32.0810**, and if you desaturate by 10%, it is **41.8677, 74.0620, 39.6131**.

Distribution



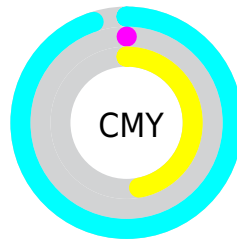
- Red (5%)
- Green (100%)
- Blue (53%)



- Red (5%)
- Yellow (69%)
- Blue (100%)



- Cyan (95%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)





- Cyan (95%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2442, 73.3346, 34.5882 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 40.2442, 73.3346, 34.5882 by changing the saturation by 10% instead.


 40.2442, 73.3346,
34.5882


 40.2442, 73.3346,
34.5882


338.2686,
472.1737, 337.5958


 27.9141, 54.2496,
23.0648


 74.8172, 123.9521,
67.9916


 18.4010, 38.8013,
14.4356


 97.7908, 156.2534,
90.7088

 11.3397, 26.6051,
8.2821


 125.0429,
193.7289, 117.9943

 6.3648, 17.2769,
4.1856

 156.9388,
236.7631, 150.2667

 3.1109, 10.4321,
1.7277

 193.8440,
285.7402, 187.9445

 1.2127, 5.6864,
0.3796


236.1238,

 0.1163, 2.6553,


341.0448, 231.4462


0.0000


284.1435,
403.0611, 281.1905


 0.0000, 0.9546,
0.0000


 0.0000, 0.0000,
0.0000


 40.2442, 73.3346,
34.5882


 40.2442, 73.3346,
34.5882


 39.5886, 73.0514,
32.0810


 41.8677, 74.0620,
39.6131


 44.2521, 75.1688,
45.2559


 47.5130, 76.7141,
51.5414

 51.7444, 78.7460,
58.4914

 57.0278, 81.3062,
66.1263

 63.4354, 84.4315,
74.4657

 71.0330, 88.1555,
83.5280

 79.8811, 92.5090,
93.3310

 90.0357, 97.5207,
103.8918

Harmonies

Analogous

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



51.4562, 73.3346, 15.5881



40.2442, 73.3346, 34.5882



36.5558, 73.3346, 79.4596

Triad

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



40.2442, 73.3346, 34.5882



69.5663, 73.3346, 260.9112



111.0525, 73.3346, 34.9763

Complementary

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



40.2442, 73.3346, 34.5882



45.7713, 23.3241, 25.0158

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.



118.5182, 73.3346, 80.2394



40.2442, 73.3346, 34.5882



91.8203, 73.3346, 228.5789

Square

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



40.2442, 73.3346, 34.5882



51.2638, 73.3346, 227.7937



110.8669, 73.3346, 153.4847



92.1039, 73.3346, 15.7197

Rectangle

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



40.2442, 73.3346, 34.5882



38.1352, 73.3346, 125.9225



110.8669, 73.3346, 153.4847



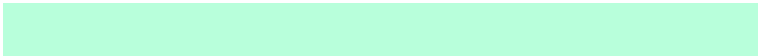
115.1397, 73.3346, 46.6576

Sweetspot

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



40.2447, 73.3348, 34.5894



68.2375, 86.7834, 80.2762



46.4076, 76.9998, 12.8325



13.9114, 18.2351, 16.3498



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.



40.2447, 73.3348, 34.5894



39.5886, 73.0514, 32.0810



53.3513, 78.5775, 103.6083



18.1487, 20.3190, 21.0862



20.7612, 38.2011, 17.1594



2.0765, 3.7415, 1.9609

Inverse Universe

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



45.7713, 23.3241, 25.0158



45.1385, 22.8194, 22.4592



41.5067, 21.6183, 2.5587



18.3898, 18.1392, 20.6699



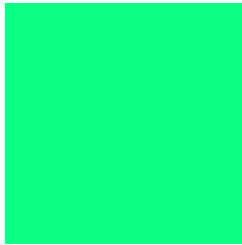
23.6613, 11.9538, 12.1327



2.3590, 1.1860, 1.4717

Previews

White Background



This preview shows how the XYZ color 40.2442, 73.3346, 34.5882 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 40.2442, 73.3346, 34.5882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

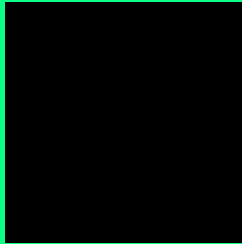
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

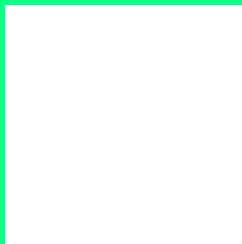
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.2442, 73.3346, 34.5882

Background



This preview shows how black text looks on a background with the XYZ color 40.2442, 73.3346, 34.5882.



This preview shows how white text looks on a background with the XYZ color 40.2442, 73.3346,

Color Blindness Simulation

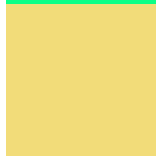
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



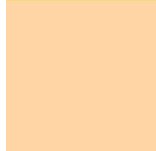
Original Color

40.2442, 73.3346, 34.5882



Protanopia

65.6623, 71.4441, 28.4185



Deuteranopia

71.9172, 71.6017, 46.1065



Tritanopia

57.0820, 72.7290, 105.6373

Trichromacy



Original Color

40.2442, 73.3346, 34.5882



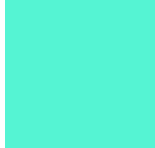
Protanomaly

47.2029, 67.1551, 30.2130



Deuteranomaly

49.5125, 66.0354, 40.7084



Tritanomaly

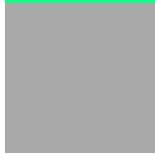
47.8549, 71.3358, 72.8750

Monochromacy



Original Color

40.2442, 73.3346, 34.5882



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

33.4651, 47.2196, 38.8030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2442, 73.3346, 34.5882 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(14, 255, 134)` looks like.

```
.text, #text, p{  
    color:rgb(14, 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(14, 255, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 255, 134) }
```

Border

The CSS property to change the border of an element to XYZ 40.2442, 73.3346, 34.5882 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(14, 255, 134) }
```


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

```
.border{ border-color:rgb(14, 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(14, 255, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 255, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 255, 134);  
box-shadow:4px 4px 4px 4px rgb(14, 255,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2442, 73.3346, 34.5882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 255, 134) }
```

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

```
.background{ background-color: rgb(14, 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](#).

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