

Converting Colors

XYZ(40.1920, 73.0880, 34.8956)

Have a look what the booklet for
XYZ(40.1920, 73.0880, 34.8956)
contains.

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Color

**XYZ(40.3302, 73.3708,
34.9580)**

Conversions

Conversions Part 1

Format	Color
Hex	0FFF87
RGB	15, 255, 135
RGB Percent	6%, 100%, 53%
CMY	0.9411, 0.0000, 0.4706
CMYK	0.94, 0.00, 0.47, 0.00
HSL	150°, 100%, 53%
HSV	150°, 94%, 100%
XYZ	40.3302, 73.3708, 34.9580
YIQ	169.5600, -104.5200, -88.2000

Conversions

Conversions Part 2

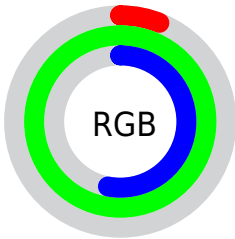
Format	Color
RYB	15, 175, 255
Decimal	1048455
CIELab	88.62, -75.24, 43.44
CIELCh	89, 86.882, 150.003
Yxy	73.3708, 0.2713, 0.4936
Android (android.graphics.Color)	4279238535 (0xFF0FFF87)
YUV	169.5600, -17.0381, -135.5491
Hunter-Lab	85.6568, -65.8553, 35.7625

Details

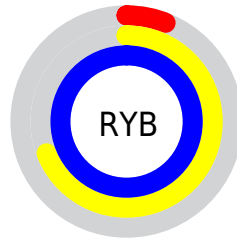
The XYZ color **40.3302, 73.3708, 34.9580** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **45.7853, 23.3518, 25.0212**, and the grayscale version is **38.1112, 40.0960, 43.6645**.

A 20% lighter version of the original color is **52.5255, 79.0893, 61.2126**, and **21.5276, 40.5570, 14.8773** is the 20% darker color. If you saturate the color by 10%, you get **39.6230, 73.0652, 32.2625**, and if you desaturate by 10%, it is **41.9812, 74.1119, 40.0073**.

Distribution



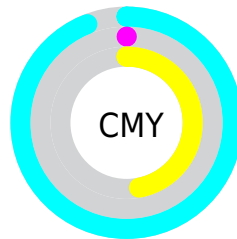
- Red (6%)
- Green (100%)
- Blue (53%)



- Red (6%)
- Yellow (69%)
- Blue (100%)



- Cyan (94%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)





- Cyan (94%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3302, 73.3708, 34.9580 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 40.3302, 73.3708, 34.9580 by changing the saturation by 10% instead.


 40.3302, 73.3708,
34.9580


 40.3302, 73.3708,
34.9580


338.6240,
472.2989, 339.2815


 27.9814, 54.2792,
23.3472


 74.9472, 124.0035,
68.5715


 18.4521, 38.8249,
14.6424


 97.9462, 156.3133,
91.4114


 11.3767, 26.6236,
8.4250


 125.2259,
193.7981, 118.8313

 6.3899, 17.2907,
4.2764

 157.1518,
236.8421, 151.2499

 3.1265, 10.4420,
1.7782

 194.0892,
285.8298, 189.0857

 1.2210, 5.6930,
0.4135

236.4035,

 0.1229, 2.6593,

341.1456, 232.7572

0.0000

284.4599,
403.1738, 282.6830

■ 0.0000, 0.9566,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.3302, 73.3708,
34.9580

■ 40.3302, 73.3708,
34.9580


■ 39.6230, 73.0652,
32.2625


■ 41.9812, 74.1119,
40.0073


■ 44.3973, 75.2346,
45.6713


■ 47.6931, 76.7976,
51.9744


■ 51.9620, 78.8485,
58.9381

 57.2849, 81.4289,
66.5826

 63.7337, 84.5754,
74.9272

 71.3740, 88.3214,
83.9901

 80.2660, 92.6977,
93.7889

 90.4656, 97.7328,
104.3404

Harmonies

Analogous

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



51.4615, 73.3708, 15.8218



40.3302, 73.3708, 34.9580



36.6974, 73.3708, 79.8935

Triad

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



40.3302, 73.3708, 34.9580



69.7386, 73.3708, 259.8451



110.7893, 73.3708, 34.9528

Complementary

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



40.3302, 73.3708, 34.9580



45.7853, 23.3518, 25.0212

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.



118.3066, 73.3708, 79.8832



40.3302, 73.3708, 34.9580



91.8952, 73.3708, 227.3470

Square

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



40.3302, 73.3708, 34.9580



51.4640, 73.3708, 227.3574



110.7917, 73.3708, 152.6132



91.8915, 73.3708, 15.8200

Rectangle

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



40.3302, 73.3708, 34.9580



38.3051, 73.3708, 126.2362



110.7917, 73.3708, 152.6132



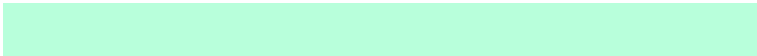
114.8817, 73.3708, 46.5511

Sweetspot

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



40.3307, 73.3711, 34.9592



68.2570, 86.7912, 80.3788



46.4952, 77.0442, 12.8731



13.9161, 18.2369, 16.3743



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.



40.3307, 73.3711, 34.9592



39.6230, 73.0652, 32.2625



53.3699, 78.5868, 103.6229



18.1504, 20.3197, 21.0947



20.7793, 38.2083, 17.2547



2.0783, 3.7423, 1.9703

Inverse Universe

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



45.7853, 23.3518, 25.0212



45.1038, 22.8055, 22.2767



41.5288, 21.6492, 2.6068



18.3882, 18.1386, 20.6614



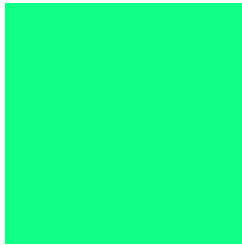
23.6431, 11.9465, 12.0369



2.3572, 1.1852, 1.4623

Previews

White Background



This preview shows how the XYZ color 40.3302, 73.3708, 34.9580 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 40.3302, 73.3708, 34.9580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

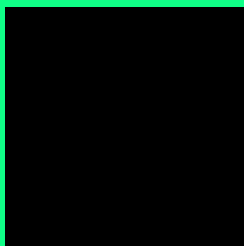
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.3302, 73.3708, 34.9580

Background



This preview shows how black text looks on a background with the XYZ color 40.3302, 73.3708, 34.9580.

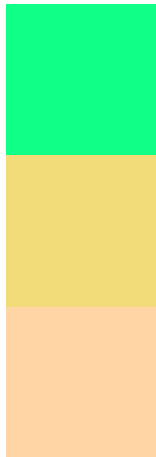


This preview shows how white text looks on a background with the XYZ color 40.3302, 73.3708,

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

40.3302, 73.3708, 34.9580

Protanopia

65.7240, 71.4688, 28.7432

Deuteranopia

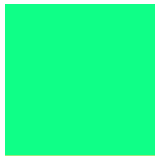
71.9172, 71.6017, 46.1065



Tritanopia

57.0820, 72.7290, 105.6373

Trichromacy



Original Color

40.3302, 73.3708, 34.9580



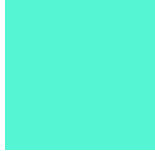
Protanomaly

47.2678, 67.1811, 30.5546



Deuteranomaly

49.8082, 66.1782, 41.1588



Tritanomaly

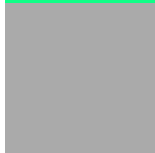
47.8549, 71.3358, 72.8750

Monochromacy



Original Color

40.3302, 73.3708, 34.9580



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

33.9119, 47.7850, 39.3344

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3302, 73.3708, 34.9580 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(15, 255, 135)` looks like.

```
.text, #text, p{  
    color:rgb(15, 255, 135)  
}
```

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(15, 255, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 255, 135) }
```

Border

The CSS property to change the border of an element to XYZ 40.3302, 73.3708, 34.9580 is called "border". The border property can be set on classes, ids or directly on the HTML element.

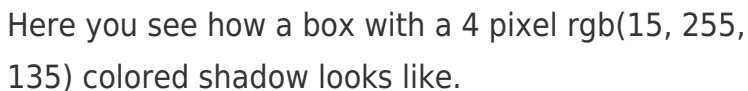
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(15, 255, 135) }
```


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

```
.border{ border-color:rgb(15, 255, 135) }
```

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



Here you see how a box with a 4 pixel `rgb(15, 255, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(15, 255, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(15, 255, 135); box-shadow:4px 4px 4px 4px rgb(15, 255, 135) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3302, 73.3708, 34.9580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 255, 135) }
```

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

```
.background{ background-color: rgb(15, 255,  
135) }
```

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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