

Converting Colors

XYZ(40.5893, 73.4845, 35.8694)

Have a look what the booklet for
XYZ(40.5893, 73.4845, 35.8694)
contains.

XYZ(40.5638, 73.4749, 35.7110)	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(40.5638, 73.4749,
35.7110)**

Conversions

Conversions Part 1

Format	Color
Hex	14FF89
RGB	20, 255, 137
RGB Percent	8%, 100%, 54%
CMY	0.9215, 0.0000, 0.4627
CMYK	0.92, 0.00, 0.46, 0.00
HSL	150°, 100%, 54%
HSV	150°, 92%, 100%
XYZ	40.5638, 73.4749, 35.7110
YIQ	171.2830, -102.1820, -86.5180

Conversions

Conversions Part 2

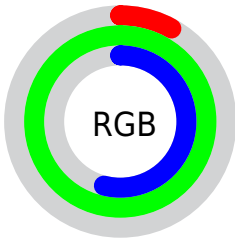
Format	Color
RYB	20, 177, 255
Decimal	1376137
CIELab	88.67, -74.73, 42.55
CIELCh	89, 85.996, 150.347
Yxy	73.4749, 0.2709, 0.4907
Android (android.graphics.Color)	4279566217 (0xFF14FF89)
YUV	171.2830, -16.9015, -132.6752
Hunter-Lab	85.7175, -65.5347, 35.3013

Details

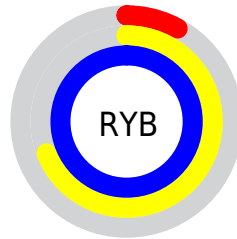
The XYZ color **40.5638, 73.4749, 35.7110** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **46.0781, 23.5957, 26.1724**, and the grayscale version is **38.9711, 41.0007, 44.6497**.

A 20% lighter version of the original color is **52.8822, 79.2477, 62.3783**, and **21.6059, 40.5884, 15.2899** is the 20% darker color. If you saturate the color by 10%, you get **39.5879, 73.0512, 32.0776**, and if you desaturate by 10%, it is **42.3542, 74.2853, 40.8791**.

Distribution



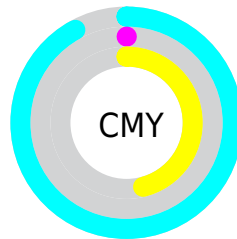
- Red (8%)
- Green (100%)
- Blue (54%)



- Red (8%)
- Yellow (69%)
- Blue (100%)



- Cyan (92%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)





- Cyan (92%)
- Magenta (0%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5638, 73.4749, 35.7110 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 40.5638, 73.4749, 35.7110 by changing the saturation by 10% instead.


 40.5638, 73.4749,
35.7110


 40.5638, 73.4749,
35.7110


339.5880,
472.6591, 342.6947


 28.1646, 54.3644,
23.9232


 75.3002, 124.1512,
69.7498


 18.5908, 38.8930,
15.0650


 98.3680, 156.4857,
92.8378


 11.4773, 26.6765,
8.7179


 125.7228,
193.9970, 120.5296

 6.4585, 17.3304,
4.4633

 157.7299,
237.0695, 153.2438

 3.1691, 10.4704,
1.8828

 194.7546,
286.0875, 191.3989

 1.2438, 5.7119,
0.4818

237.1623,

 0.1405, 2.6707,

341.4356, 235.4133

0.0000

285.3183,
403.4979, 285.7058

■ 0.0000, 0.9623,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.5638, 73.4749,
35.7110

■ 40.5638, 73.4749,
35.7110


■ 39.5879, 73.0512,
32.0776


■ 42.3542, 74.2853,
40.8791


■ 44.9352, 75.4903,
46.6710

■ 48.4163, 77.1460,
53.1109


■ 52.8880, 79.2985,
60.2203

 58.4294, 81.9883,
68.0194

 65.1111, 85.2514,
76.5275

 72.9974, 89.1207,
85.7628

 82.1477, 93.6265,
95.7430

 92.6173, 98.7968,
106.4851

Harmonies

Analogous

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



51.5411, 73.4749, 16.3292



40.5638, 73.4749, 35.7110



37.0314, 73.4749, 80.6954

Triad

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



40.5638, 73.4749, 35.7110



70.0775, 73.4749, 257.5111



110.2760, 73.4749, 35.0158

Complementary

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



40.5638, 73.4749, 35.7110



46.0781, 23.5957, 26.1724

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.



117.8619, 73.4749, 79.3119



40.5638, 73.4749, 35.7110



92.0159, 73.4749, 224.8434

Square

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



40.5638, 73.4749, 35.7110



51.8835, 73.4749, 226.2238



110.6038, 73.4749, 150.9708



91.5140, 73.4749, 16.0906

Rectangle

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



40.5638, 73.4749, 35.7110



38.6872, 73.4749, 126.7175



110.6038, 73.4749, 150.9708



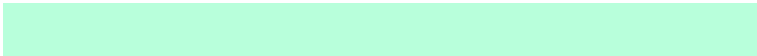
114.3663, 73.4749, 46.4620

Sweetspot

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



40.5642, 73.4750, 35.7122



68.2371, 86.7833, 80.2743



46.9425, 77.2702, 13.1027



13.9113, 18.2350, 16.3494



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.



40.5642, 73.4750, 35.7122



39.5879, 73.0512, 32.0776



53.4744, 78.6391, 103.6963



18.1487, 20.3190, 21.0861



20.7608, 38.2009, 17.1577



2.0765, 3.7415, 1.9607

Inverse Universe

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



46.0781, 23.5957, 26.1724



45.1391, 22.8197, 22.4626



41.6544, 21.8262, 2.8775



18.3899, 18.1393, 20.6701



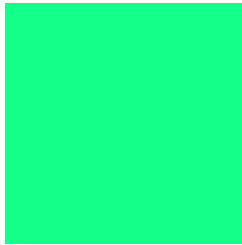
23.6616, 11.9539, 12.1344



2.3590, 1.1860, 1.4719

Previews

White Background



This preview shows how the XYZ color 40.5638, 73.4749, 35.7110 looks on a white background.

Color Contrast Check

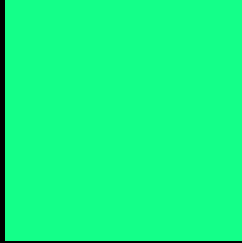
Large Text (above 18pt) WCAG AA × Fail

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 40.5638, 73.4749, 35.7110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

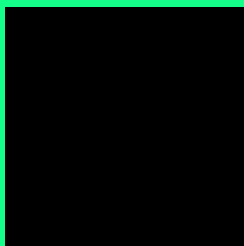
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.5638, 73.4749, 35.7110

Background



This preview shows how black text looks on a background with the XYZ color 40.5638, 73.4749, 35.7110.



This preview shows how white text looks on a background with the XYZ color 40.5638, 73.4749,

Color Blindness Simulation

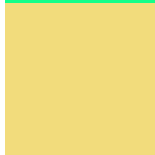
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

40.5638, 73.4749, 35.7110



Protanopia

65.8492, 71.5189, 29.4027



Deuteranopia

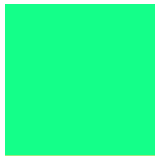
72.0093, 71.6385, 46.5915



Tritanopia

57.2287, 72.8047, 105.6442

Trichromacy



Original Color

40.5638, 73.4749, 35.7110



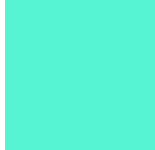
Protanomaly

47.7993, 67.4399, 31.2668



Deuteranomaly

50.3217, 66.4332, 41.6231



Tritanomaly

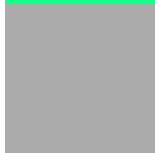
48.1648, 71.4811, 73.5460

Monochromacy



Original Color

40.5638, 73.4749, 35.7110



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

34.5810, 48.4573, 40.3315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5638, 73.4749, 35.7110 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(20, 255, 137)` looks like.

```
.text, #text, p{  
    color:rgb(20, 255, 137)  
}
```

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(20, 255, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 255, 137) }
```

Border

The CSS property to change the border of an element to XYZ 40.5638, 73.4749, 35.7110 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(20, 255, 137) }
```


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

```
.border{ border-color:rgb(20, 255, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 255, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 255, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 255, 137);  
box-shadow:4px 4px 4px 4px rgb(20, 255,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5638, 73.4749, 35.7110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 255, 137) }
```

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

```
.background{ background-color: rgb(20, 255,  
137) }
```

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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