

Converting Colors

XYZ(41.3321, 73.9066, 34.1346)

Have a look what the booklet for
XYZ(41.3321, 73.9066, 34.1346)
contains.

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Color

**XYZ(41.3589, 73.9173,
34.2779)**

Conversions

Conversions Part 1

Format	Color
Hex	33FF85
RGB	51, 255, 133
RGB Percent	20%, 100%, 52%
CMY	0.8000, 0.0000, 0.4784
CMYK	0.80, 0.00, 0.48, 0.00
HSL	144°, 100%, 60%
HSV	144°, 80%, 100%
XYZ	41.3589, 73.9173, 34.2779
YIQ	180.0960, -82.4220, -81.1900

Conversions

Conversions Part 2

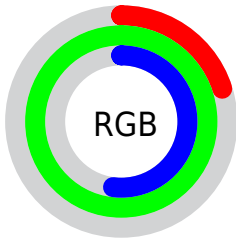
Format	Color
RYB	51, 197, 255
Decimal	3407749
CIELab	88.88, -73.19, 44.78
CIELCh	89, 85.804, 148.542
Yxy	73.9173, 0.2765, 0.4943
Android (android.graphics.Color)	4281597829 (0xFF33FF85)
YUV	180.0960, -23.2183, -113.2172
Hunter-Lab	85.9752, -64.5880, 36.5440

Details

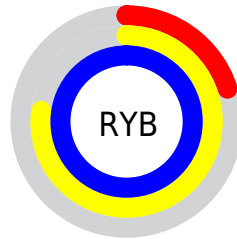
The XYZ color **41.3589, 73.9173, 34.2779** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **49.9670, 26.6452, 42.0452**, and the grayscale version is **43.5870, 45.8569, 49.9381**.

A 20% lighter version of the original color is **54.0430, 79.8967, 60.1502**, and **21.4515, 40.5266, 14.4764** is the 20% darker color. If you saturate the color by 10%, you get **39.4288, 73.0353, 29.0819**, and if you desaturate by 10%, it is **44.1461, 75.2234, 40.3150**.

Distribution



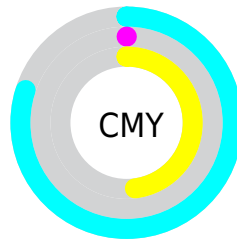
- Red (20%)
- Green (100%)
- Blue (52%)



- Red (20%)
- Yellow (77%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.3589, 73.9173, 34.2779 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 41.3589, 73.9173, 34.2779 by changing the saturation by 10% instead.


 41.3589, 73.9173,
34.2779


 41.3589, 73.9173,
34.2779


342.8554,
474.1879, 336.1763


 28.7885, 54.7264,
22.8281


 76.4997, 124.7786,
67.5044

 19.0644, 39.1827,
14.2625


 99.8008, 157.2177,
90.1182

 11.8211, 26.9019,
8.1626


 127.4096,
194.8416, 117.2904

 6.6933, 17.4995,
4.1099

 159.6914,
238.0348, 149.4395

 3.3157, 10.5913,
1.6858

197.0115,
287.1817, 186.9842

 1.3228, 5.7927,
0.3510

239.7353,

 0.2002, 2.7195,

342.6665, 230.3428

0.0000

288.2281,
404.8738, 279.9340

0.0000, 0.9871,
0.0000

0.0000, 0.0000,
0.0000

41.3589, 73.9173,
34.2779

41.3589, 73.9173,
34.2779

39.4288, 73.0353,
29.0819

44.1461, 75.2234,
40.3150

38.1834, 72.4894,
24.6810

47.8960, 77.0075,
47.2267

38.1832, 72.4893,
24.6803

52.6994, 79.3155,
55.0489

58.6356, 82.1879,
63.8141

■ 65.7760, 85.6607,
73.5533

■ 74.1859, 89.7671,
84.2958

■ 83.9258, 94.5377,
96.0698

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



52.8232, 73.9173, 15.9626



41.3589, 73.9173, 34.2779



37.3736, 73.9173, 77.6042

Triad

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



41.3589, 73.9173, 34.2779



69.2435, 73.9173, 257.9279



111.5823, 73.9173, 37.2153

Complementary

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



41.3589, 73.9173, 34.2779



49.9670, 26.6452, 42.0452

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.



118.3139, 73.9173, 83.4329



41.3589, 73.9173, 34.2779



91.1559, 73.9173, 228.9045

Square

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



41.3589, 73.9173, 34.2779



51.3793, 73.9173, 223.1043



110.2029, 73.9173, 156.2987



93.2686, 73.9173, 16.9744

Rectangle

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



41.3589, 73.9173, 34.2779



38.7449, 73.9173, 122.6901



110.2029, 73.9173, 156.2987



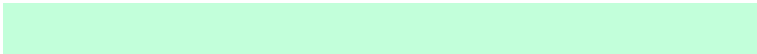
115.4168, 73.9173, 49.2714

Sweetspot

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



41.3593, 73.9175, 34.2791



70.6642, 88.0458, 79.8747



53.6802, 80.6892, 15.8778



14.4916, 18.5362, 16.2834



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.



41.3593, 73.9175, 34.2791



38.6265, 72.6814, 26.3486



52.0632, 78.1990, 90.6448



18.0741, 20.2892, 20.6932



20.0205, 37.9048, 13.2593



2.0016, 3.7116, 1.5664

Inverse Universe

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



49.9670, 26.6452, 42.0452



47.4023, 23.9021, 33.8344



43.5744, 24.0882, 8.3823



18.4655, 18.1695, 21.0682



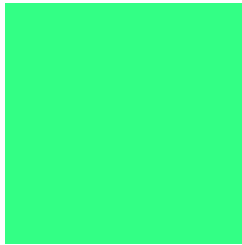
24.6074, 12.3323, 17.1150



2.4500, 1.2224, 1.9511

Previews

White Background



This preview shows how the XYZ color 41.3589, 73.9173, 34.2779 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 41.3589, 73.9173, 34.2779 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 41.3589, 73.9173, 34.2779

Background



This preview shows how black text looks on a background with the XYZ color 41.3589, 73.9173, 34.2779.

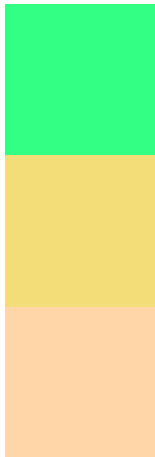


This preview shows how white text looks on a background with the XYZ color 41.3589, 73.9173,

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

41.3589, 73.9173, 34.2779

Protanopia

66.2698, 72.1481, 28.5223

Deuteranopia

72.3545, 72.1803, 47.1645



Tritanopia

57.9846, 73.1944, 105.6796

Trichromacy



Original Color

41.3589, 73.9173, 34.2779



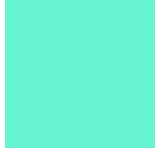
Protanomaly

50.0742, 68.6427, 30.0122



Deuteranomaly

52.9918, 68.2289, 41.3869



Tritanomaly

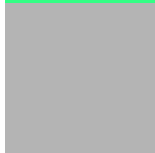
49.5880, 72.2293, 72.9561

Monochromacy



Original Color

41.3589, 73.9173, 34.2779



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

38.5965, 52.2565, 42.7026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3589, 73.9173, 34.2779 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(51, 255, 133)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 133)  
}
```

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(51, 255, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 133) }
```

Border

The CSS property to change the border of an element to XYZ 41.3589, 73.9173, 34.2779 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(51, 255, 133) }
```


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

```
.border{ border-color:rgb(51, 255, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 133);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3589, 73.9173, 34.2779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 133) }
```

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

```
.background{ background-color: rgb(51, 255,  
133) }
```

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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