

Converting Colors

XYZ(41.6158, 73.9452, 39.0119)

Have a look what the booklet for
XYZ(41.6158, 73.9452, 39.0119)
contains.

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Color

**XYZ(41.5984, 73.9394,
38.8673)**

Conversions

Conversions Part 1

Format	Color
Hex	24FF91
RGB	36, 255, 145
RGB Percent	14%, 100%, 57%
CMY	0.8588, 0.0000, 0.4314
CMYK	0.86, 0.00, 0.43, 0.00
HSL	150°, 100%, 57%
HSV	150°, 86%, 100%
XYZ	41.5984, 73.9394, 38.8673
YIQ	176.9790, -95.2140, -80.6380

Conversions

Conversions Part 2

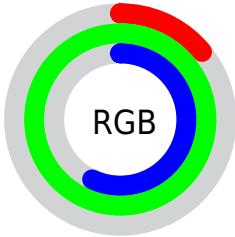
Format	Color
R_{YB}	36, 182, 255
Decimal	2424721
CIE _{Lab}	88.89, -72.51, 38.98
CIE _{LCh}	89, 82.320, 151.740
Yxy	73.9394, 0.2694, 0.4789
Android (android.graphics.Color)	4280614801 (0xFF24FF91)
YUV	176.9790, -15.7656, -123.6386
Hunter-Lab	85.9880, -64.1261, 33.3920

Details

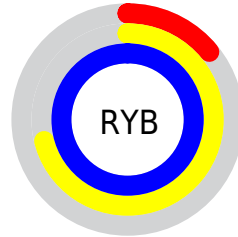
The XYZ color **41.5984, 73.9394, 38.8673** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **47.0598, 24.5977, 29.4638**, and the grayscale version is **41.8960, 44.0778, 48.0007**.

A 20% lighter version of the original color is **54.4975, 79.9752, 67.2080**, and **21.9420, 40.7228, 17.0598** is the 20% darker color. If you saturate the color by 10%, you get **40.0698, 73.2591, 33.9282**, and if you desaturate by 10%, it is **43.8712, 74.9904, 44.4250**.

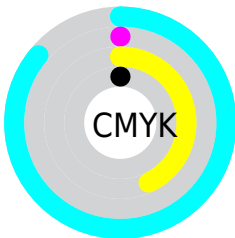
Distribution



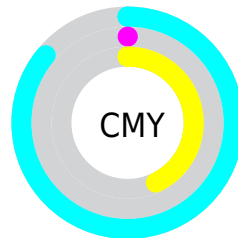
- Red (14%)
- Green (100%)
- Blue (57%)



- Red (14%)
- Yellow (71%)
- Blue (100%)



- Cyan (86%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)





- Cyan (86%)
- Magenta (0%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5984, 73.9394, 38.8673 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 41.5984, 73.9394, 38.8673 by changing the saturation by 10% instead.


 41.5984, 73.9394,
38.8673


 41.5984, 73.9394,
38.8673


343.8355,
474.2642, 356.7351


 28.9767, 54.7444,
26.3495


 76.8604, 124.8099,
74.6537


 19.2074, 39.1971,
16.8572


 100.2315,
157.2542, 98.7593

 11.9251, 26.9131,
9.9718


 127.9164,
194.8838, 127.5646

 6.7645, 17.5080,
5.2749

 160.2804,
238.0830, 161.4881

 3.3603, 10.5973,
2.3479

197.6890,
287.2363, 200.9483

 1.3470, 5.7968,
0.7579

240.5074,

 0.2180, 2.7219,

342.7280, 246.3639

0.0000

289.1011,
404.9425, 298.1533

■ 0.0000, 0.9883,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.5984, 73.9394,
38.8673

■ 41.5984, 73.9394,
38.8673

■ 40.0698, 73.2591,
33.9282


■ 43.8712, 74.9904,
44.4250


■ 39.5853, 73.0501,
32.0638


■ 47.0057, 76.4724,
50.6215


■ 51.0988, 78.4349,
57.4799

■ 56.2333, 80.9203,
65.0211

 62.4827, 83.9660,
73.2645

 69.9134, 87.6059,
82.2289

 78.5867, 91.8713,
91.9320

 88.5591, 96.7912,
102.3913

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.



51.9558, 73.9394, 18.5348



41.5984, 73.9394, 38.8673



38.4673, 73.9394, 83.8915

Triad

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



41.5984, 73.9394, 38.8673



71.4491, 73.9394, 247.9707



108.2389, 73.9394, 35.4170

Complementary

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



41.5984, 73.9394, 38.8673



47.0598, 24.5977, 29.4638

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.



116.0525, 73.9394, 77.2157



41.5984, 73.9394, 38.8673



92.4669, 73.9394, 214.8656

Square

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



41.5984, 73.9394, 38.8673



53.6238, 73.9394, 221.3518



109.8007, 73.9394, 144.5841



90.0643, 73.9394, 17.3091

Rectangle

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



41.5984, 73.9394, 38.8673



40.3111, 73.9394, 128.4780



109.8007, 73.9394, 144.5841



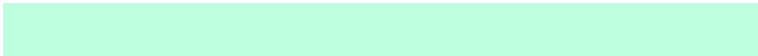
112.3040, 73.9394, 46.2671

Sweetspot

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



41.5989, 73.9396, 38.8685



69.8163, 87.5582, 82.1161



48.5011, 78.0515, 14.1789



14.3643, 18.4569, 16.8945



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.



41.5989, 73.9396, 38.8685



39.5853, 73.0501, 32.0638



53.9557, 78.8824, 103.9385



18.1486, 20.3190, 21.0854



20.7595, 38.2004, 17.1504



2.0764, 3.7415, 1.9600

Inverse Universe

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



47.0598, 24.5977, 29.4638



45.1418, 22.8207, 22.4765



42.2483, 22.6731, 4.1267



18.3900, 18.1393, 20.6708



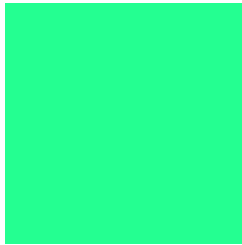
23.6630, 11.9545, 12.1417



2.3591, 1.1860, 1.4726

Previews

White Background



This preview shows how the XYZ color 41.5984, 73.9394, 38.8673 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 41.5984, 73.9394, 38.8673 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

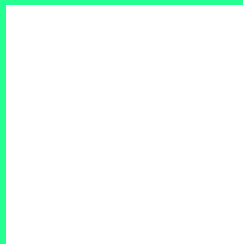
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.5984, 73.9394, 38.8673

Background



This preview shows how black text looks on a background with the XYZ color 41.5984, 73.9394, 38.8673.

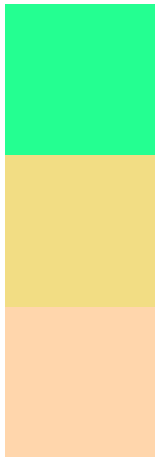


This preview shows how white text looks on a background with the XYZ color 41.5984, 73.9394,

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

41.5984, 73.9394, 38.8673

Protanopia

66.6393, 72.2561, 32.2644

Deuteranopia

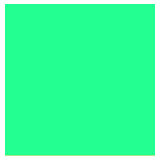
72.7330, 72.3317, 49.1577



Tritanopia

57.8305, 73.1149, 105.6723

Trichromacy



Original Color

41.5984, 73.9394, 38.8673



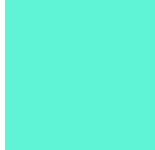
Protanomaly

49.5906, 68.2995, 34.2363



Deuteranomaly

52.2201, 67.7612, 44.5094



Tritanomaly

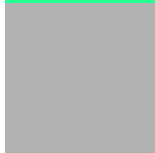
49.4403, 72.0945, 75.5998

Monochromacy



Original Color

41.5984, 73.9394, 38.8673



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

37.2270, 50.8149, 43.4435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5984, 73.9394, 38.8673 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(36, 255, 145)` looks like.

```
.text, #text, p{  
    color:rgb(36, 255, 145)  
}
```

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(36, 255, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 255, 145) }
```

Border

The CSS property to change the border of an element to XYZ 41.5984, 73.9394, 38.8673 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(36, 255, 145) }
```


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

```
.border{ border-color:rgb(36, 255, 145) }
```

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

Here you see how a box with a 4 pixel rgb(36, 255, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 255, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 255, 145);  
box-shadow:4px 4px 4px 4px rgb(36, 255,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5984, 73.9394, 38.8673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 255, 145) }
```

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

```
.background{ background-color: rgb(36, 255,  
145) }
```

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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