

Converting Colors

XYZ(40.9639, 73.6016, 39.3233)

Have a look what the booklet for
XYZ(40.9639, 73.6016, 39.3233)
contains.

XYZ(40.9483, 73.5953, 39.2413)	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(40.9483, 73.5953,
39.2413)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF92
RGB	0, 255, 146
RGB Percent	0%, 100%, 57%
CMY	0.9999, 0.0000, 0.4274
CMYK	1.00, 0.00, 0.43, 0.00
HSL	154°, 100%, 50%
HSV	154°, 100%, 100%
XYZ	40.9483, 73.5953, 39.2413
YIQ	166.3290, -116.9910, -87.9590

Conversions

Conversions Part 2

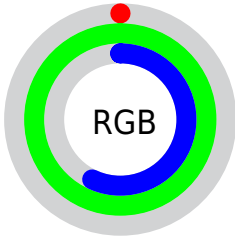
Format	Color
RYB	0, 162, 255
Decimal	65426
CIELab	88.73, -73.79, 38.24
CIELCh	89, 83.114, 152.605
Yxy	73.5953, 0.2663, 0.4786
Android (android.graphics.Color)	4278255506 (0xFF00FF92)
YUV	166.3290, -10.0222, -145.8705
Hunter-Lab	85.7877, -64.9266, 32.9308

Details

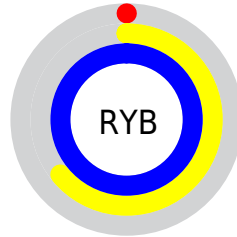
The XYZ color **40.9483, 73.5953, 39.2413** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **44.0015, 22.3650, 16.4709**, and the grayscale version is **36.4953, 38.3959, 41.8131**.

A 20% lighter version of the original color is **53.3728, 79.3819, 67.7675**, and **21.9866, 40.7407, 17.2946** is the 20% darker color. If you saturate the color by 10%, you get **40.9478, 73.5951, 39.2388**, and if you desaturate by 10%, it is **42.2515, 74.1644, 43.9435**.

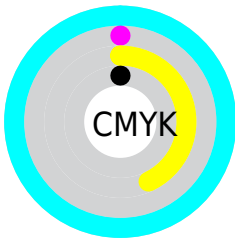
Distribution



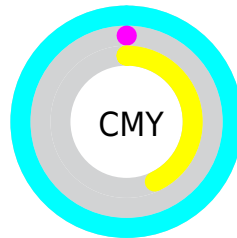
- Red (0%)
- Green (100%)
- Blue (57%)



- Red (0%)
- Yellow (64%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9483, 73.5953, 39.2413 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 40.9483, 73.5953, 39.2413 by changing the saturation by 10% instead.


 40.9483, 73.5953,
39.2413


 40.9483, 73.5953,
39.2413


341.1708,
473.0754, 358.3719


 28.4662, 54.4629,
26.6382


 75.8806, 124.3220,
75.2312


 18.8196, 38.9718,
17.0717


 99.0615, 156.6850,
99.4551

 11.6432, 26.7378,
10.1231

 126.5394,
194.2269, 128.3897

 6.5717, 17.3764,
5.3740

 158.6796,
237.3323, 162.4535

 3.2397, 10.5032,
2.4058

 195.8475,
286.3855, 202.0651

 1.2817, 5.7339,
0.7896

238.4084,

 0.1695, 2.6839,

341.7708, 247.6430

0.0000

286.7277,
403.8726, 299.6057

■ 0.0000, 0.9690,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.9483, 73.5953,
39.2413

■ 40.9483, 73.5953,
39.2413


■ 40.9478, 73.5951,
39.2388


■ 42.2515, 74.1644,
43.9435


■ 44.1760, 75.0442,
49.1070


■ 46.8890, 76.3207,
54.7516


■ 50.4931, 78.0465,
60.8927

 55.0749, 80.2660,
67.5444

 60.7099, 83.0180,
74.7201

 67.4661, 86.3372,
82.4324

 75.4055, 90.2555,
90.6934

 84.5854, 94.8022,
99.5150

Harmonies

Analogous

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



51.1280, 73.5953, 18.3909



40.9483, 73.5953, 39.2413



38.0171, 73.5953, 85.2687

Triad

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



40.9483, 73.5953, 39.2413



71.7212, 73.5953, 249.2876



107.8067, 73.5953, 34.0736

Complementary

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



40.9483, 73.5953, 39.2413



44.0015, 22.3650, 16.4709

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.



116.0809, 73.5953, 75.2073



40.9483, 73.5953, 39.2413



92.9033, 73.5953, 214.1613

Square

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



40.9483, 73.5953, 39.2413



53.6363, 73.5953, 223.9950



110.1671, 73.5953, 142.5895



89.2759, 73.5953, 16.5691

Rectangle

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



40.9483, 73.5953, 39.2413



40.0009, 73.5953, 130.6346



110.1671, 73.5953, 142.5895



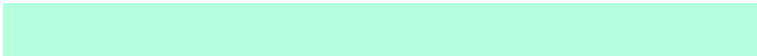
112.0245, 73.5953, 44.6813

Sweetspot

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



40.9488, 73.5956, 39.2425



67.4599, 86.3342, 82.4256



42.2544, 74.8680, 12.2246



13.7994, 18.1643, 16.9323



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.



40.9488, 73.5956, 39.2425



40.9478, 73.5951, 39.2388



48.6252, 68.3700, 105.2417



18.2074, 20.3425, 21.3954



21.4724, 38.4856, 20.9050



2.1454, 3.7691, 2.3237

Inverse Universe

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



44.0015, 22.3650, 16.4709



44.0006, 22.3643, 16.4674



41.4409, 21.6616, 1.9975



18.3317, 18.1160, 20.3637



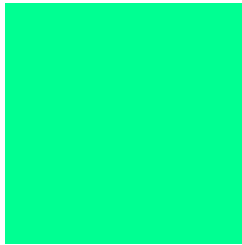
23.0625, 11.7143, 8.9793



2.2989, 1.1619, 1.1553

Previews

White Background



This preview shows how the XYZ color 40.9483, 73.5953, 39.2413 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 40.9483, 73.5953, 39.2413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

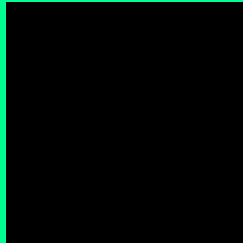
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.9483, 73.5953, 39.2413

Background



This preview shows how black text looks on a background with the XYZ color 40.9483, 73.5953, 39.2413.



This preview shows how white text looks on a background with the XYZ color 40.9483, 73.5953,

Color Blindness Simulation

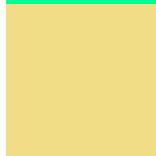
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

40.9483, 73.5953, 39.2413



Protanopia

66.3657, 72.1071, 32.6105



Deuteranopia

72.3849, 71.7888, 48.5696



Tritanopia

57.3769, 72.8811, 105.6511

Trichromacy



Original Color

40.9483, 73.5953, 39.2413



Protanomaly

46.8632, 66.8851, 34.4849



Deuteranomaly

49.1653, 65.7768, 44.2873



Tritanomaly

48.0098, 71.3570, 75.5329

Monochromacy



Original Color

40.9483, 73.5953, 39.2413



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

32.3959, 45.9555, 39.9637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9483, 73.5953, 39.2413 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(0, 255, 146)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 146)  
}
```

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(0, 255, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 146) }
```

Border

The CSS property to change the border of an element to XYZ 40.9483, 73.5953, 39.2413 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(0, 255, 146) }
```


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

```
.border{ border-color:rgb(0, 255, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 146);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9483, 73.5953, 39.2413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 146) }
```

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

```
.background{ background-color: rgb(0, 255,  
146) }
```

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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