

# Converting Colors

XYZ(40.6936, 73.4934, 37.9000)

Have a look what the booklet for  
XYZ(40.6936, 73.4934, 37.9000)  
contains.

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# Color

**XYZ(40.7179, 73.5032,  
38.0281)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00FF8F
RGB	0, 255, 143
RGB Percent	0%, 100%, 56%
CMY	0.9999, 0.0000, 0.4392
CMYK	1.00, 0.00, 0.44, 0.00
HSL	154°, 100%, 50%
HSV	154°, 100%, 100%
XYZ	40.7179, 73.5032, 38.0281
YIQ	165.9870, -116.0280, -88.8920

# Conversions

## Conversions Part 2

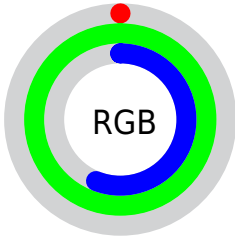
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 163, 255
Decimal	65423
CIELab	88.69, -74.32, 39.65
CIELCh	89, 84.230, 151.919
Yxy	73.5032, 0.2674, 0.4828
Android (android.graphics.Color)	4278255503 (0xFF00FF8F)
YUV	165.9870, -11.3326, -145.5706
Hunter-Lab	85.7340, -65.2590, 33.7152

# Details

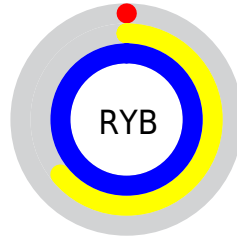
The XYZ color **40.7179, 73.5032, 38.0281** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **44.1655, 22.4305, 17.3348**, and the grayscale version is **36.3346, 38.2268, 41.6290**.

A 20% lighter version of the original color is **53.0233, 79.2421, 65.9267**, and **21.8546, 40.6878, 16.5992** is the 20% darker color. If you saturate the color by 10%, you get **40.7176, 73.5030, 38.0264**, and if you desaturate by 10%, it is **42.0235, 74.0732, 42.7435**.

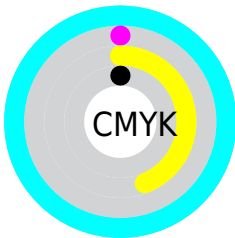
# Distribution



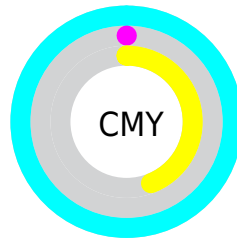
- Red (0%)
- Green (100%)
- Blue (56%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7179, 73.5032, 38.0281 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 40.7179, 73.5032, 38.0281 by changing the saturation by 10% instead.





 40.7179, 73.5032,  
38.0281


 40.7179, 73.5032,  
38.0281


340.2230,  
472.7570, 353.0423


 28.2854, 54.3875,  
25.7025


 75.5329, 124.1913,  
73.3551


 18.6825, 38.9116,  
16.3774


 98.6461, 156.5325,  
97.1936


 11.5437, 26.6909,  
9.6344


 126.0503,  
194.0510, 125.7068

 6.5038, 17.3412,  
5.0548

 158.1108,  
237.1313, 159.3132

 3.1973, 10.4781,  
2.2202

 195.1929,  
286.1576, 198.4315

 1.2589, 5.7171,  
0.6860

237.6621,

 0.1522, 2.6738,

341.5144, 243.4800

0.0000

285.8837,  
403.5860, 294.8775

■ 0.0000, 0.9639,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 40.7179, 73.5032,  
38.0281

■ 40.7179, 73.5032,  
38.0281


■ 40.7176, 73.5030,  
38.0264


■ 42.0235, 74.0732,  
42.7435


■ 43.9544, 74.9556,  
47.9416


■ 46.6781, 76.2363,  
53.6434


■ 50.2974, 77.9682,  
59.8651

 54.8989, 80.1955,  
66.6218

 60.5585, 82.9573,  
73.9277

 67.3441, 86.2883,  
81.7964

 75.3181, 90.2204,  
90.2409

 84.5379, 94.7830,  
99.2735

# Harmonies

## Analogous

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



51.1520, 73.5032, 17.6261



40.7179, 73.5032, 38.0281



37.6028, 73.5032, 83.8433

# Triad

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



40.7179, 73.5032, 38.0281



71.1808, 73.5032, 252.3626



108.6091, 73.5032, 34.2068

# Complementary

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



40.7179, 73.5032, 38.0281



44.1655, 22.4305, 17.3348

# 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.



116.7117, 73.5032, 76.3390



40.7179, 73.5032, 38.0281



92.6561, 73.5032, 217.7801

# Square

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



40.7179, 73.5032, 38.0281



53.0175, 73.5032, 225.1750



110.3767, 73.5032, 145.2082



89.9440, 73.5032, 16.2929



# Rectangle

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



40.7179, 73.5032, 38.0281



39.4903, 73.5032, 129.5673



110.3767, 73.5032, 145.2082



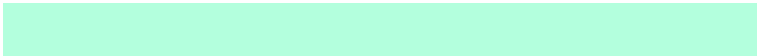
112.8053, 73.5032, 45.0699

# Sweetspot

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



40.7184, 73.5034, 38.0293



67.3394, 86.2860, 81.7912



42.7987, 75.1486, 12.2499



13.7708, 18.1529, 16.7817



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.



40.7184, 73.5034, 38.0293



40.7176, 73.5030, 38.0264



49.8770, 70.8738, 105.6590



18.1982, 20.3388, 21.3465



21.3522, 38.4375, 20.2719



2.1339, 3.7645, 2.2632



# Inverse Universe

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



44.1655, 22.4305, 17.3348



44.1649, 22.4299, 17.3321



41.3810, 21.5419, 1.9775



18.3408, 18.1196, 20.4117



23.1491, 11.7489, 9.4358

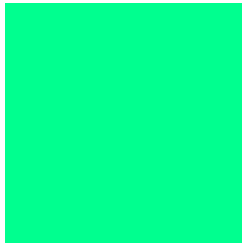


2.3077, 1.1655, 1.2020



# Previews

## White Background



This preview shows how the XYZ color 40.7179, 73.5032, 38.0281 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 40.7179, 73.5032, 38.0281 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

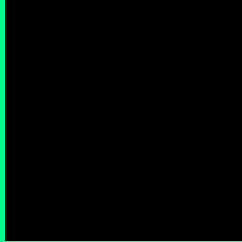
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 40.7179, 73.5032, 38.0281**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.7179, 73.5032, 38.0281.



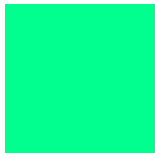
This preview shows how white text looks on a background with the XYZ color 40.7179, 73.5032,



# Color Blindness Simulation

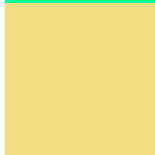
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

40.7179, 73.5032, 38.0281



### Protanopia

66.1613, 72.0254, 31.5343



### Deuteranopia

72.2899, 71.7508, 48.0694



## Tritanopia

57.2287, 72.8047, 105.6442

# Trichromacy



## Original Color

40.7179, 73.5032, 38.0281



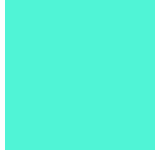
## Protanomaly

46.6490, 66.7994, 33.3566



## Deuteranomaly

48.9889, 65.7063, 43.3583



## Tritanomaly

47.7965, 71.2619, 74.8541

# Monochromacy



## Original Color

40.7179, 73.5032, 38.0281



## Achromatopsia

36.2450, 38.1326, 41.5264



## Achromatomaly

32.3095, 45.9210, 39.5085

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.7179, 73.5032, 38.0281 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, 143)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 143)  
}
```

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, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 143) }
```

## Border

The CSS property to change the border of an element to XYZ 40.7179, 73.5032, 38.0281 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, 143) }
```



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

```
.border{ border-color:rgb(0, 255, 143) }
```

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, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 143);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
143) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.7179, 73.5032, 38.0281 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, 143) }
```

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

```
.background{ background-color: rgb(0, 255,  
143) }
```

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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