

Converting Colors

XYZ(40.4168, 72.4635, 38.5276)

Have a look what the booklet for
XYZ(40.4168, 72.4635, 38.5276)
contains.

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Color

**XYZ(40.3877, 72.3731,
38.6288)**

Conversions

Conversions Part 1

Format	Color
Hex	0CFD91
RGB	12, 253, 145
RGB Percent	5%, 99%, 57%
CMY	0.9529, 0.0078, 0.4314
CMYK	0.95, 0.00, 0.43, 0.01
HSL	153°, 98%, 52%
HSV	153°, 95%, 99%
XYZ	40.3877, 72.3731, 38.6288
YIQ	168.6290, -108.9680, -84.6800

Conversions

Conversions Part 2

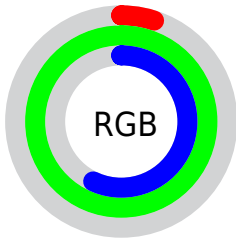
Format	Color
RYB	12, 167, 253
Decimal	851345
CIELab	88.15, -73.01, 37.98
CIELCh	88, 82.300, 152.516
Yxy	72.3731, 0.2668, 0.4781
Android (android.graphics.Color)	4279041425 (0xFF0CFD91)
YUV	168.6290, -11.6491, -137.3636
Hunter-Lab	85.0724, -64.1347, 32.6289

Details

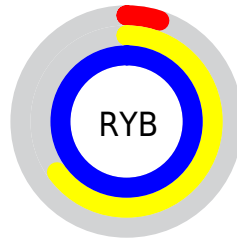
The XYZ color **40.3877, 72.3731, 38.6288** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **44.0324, 22.5032, 19.7971**, and the grayscale version is **37.6262, 39.5857, 43.1088**.

A 20% lighter version of the original color is **53.5214, 79.4720, 67.1623**, and **21.4909, 39.8205, 16.9094** is the 20% darker color. If you saturate the color by 10%, you get **39.8322, 72.1355, 36.4880**, and if you desaturate by 10%, it is **41.9307, 73.0644, 43.4972**.

Distribution



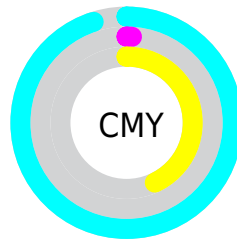
- Red (5%)
- Green (99%)
- Blue (57%)



- Red (5%)
- Yellow (65%)
- Blue (99%)



- Cyan (95%)
- Magenta (0%)
- Yellow (43%)
- Black (1%)




- Cyan (95%)
- Magenta (1%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3877, 72.3731, 38.6288 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 40.3877, 72.3731, 38.6288 by changing the saturation by 10% instead.


 40.3877, 72.3731,
38.6288


 40.3877, 72.3731,
38.6288


338.8614,
468.8392, 355.6884


 28.0265, 53.4635,
26.1655


 75.0341, 122.5868,
74.2850


 18.4862, 38.1729,
16.7206


 98.0501, 154.6598,
98.3149


 11.4014, 26.1169,
9.8756


 125.3483,
191.8893, 127.0375

 6.4068, 16.9111,
5.2121

 157.2942,
234.6597, 160.8712

 3.1370, 10.1712,
2.3113

 194.2531,
283.3556, 200.2346

 1.2266, 5.5126,
0.7375

236.5904,

 0.1272, 2.5510,

338.3612, 245.5463

0.0000

284.6714,
400.0609, 297.2247

■ 0.0000, 0.9021,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.3877, 72.3731,
38.6288

■ 40.3877, 72.3731,
38.6288


■ 39.8322, 72.1355,
36.4880

■ 41.9307, 73.0644,
43.4972


■ 44.1902, 74.1127,
48.8658


■ 47.2817, 75.5793,
54.7540


■ 51.2979, 77.5117,
61.1777

 56.3182, 79.9506,
68.1522

 62.4133, 82.9322,
75.6916

 69.6472, 86.4892,
83.8097

 78.0787, 90.6518,
92.5196

 87.7624, 95.4478,
101.8339

Harmonies

Analogous

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



50.3898, 72.3731, 18.1977



40.3877, 72.3731, 38.6288



37.4915, 72.3731, 83.6553

Triad

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



40.3877, 72.3731, 38.6288



70.4628, 72.3731, 244.1806



105.8773, 72.3731, 33.7295

Complementary

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



40.3877, 72.3731, 38.6288



44.0324, 22.5032, 19.7971

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.



113.9309, 72.3731, 74.1402



40.3877, 72.3731, 38.6288



91.1954, 72.3731, 210.0299

Square

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



40.3877, 72.3731, 38.6288



52.7640, 72.3731, 219.3076



108.1069, 72.3731, 140.1289



87.7674, 72.3731, 16.4653

Rectangle

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



40.3877, 72.3731, 38.6288



39.4238, 72.3731, 128.0037



108.1069, 72.3731, 140.1289



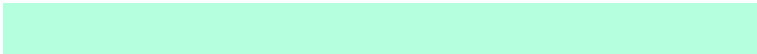
109.9911, 72.3731, 44.1656

Sweetspot

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



40.3895, 72.3760, 38.6305



67.9937, 86.6162, 82.1430



43.0028, 74.3059, 12.4243



13.8907, 18.2137, 16.8320



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.



40.3895, 72.3760, 38.6305



40.5469, 73.4348, 37.1275



49.3241, 70.0543, 103.8543



18.1911, 20.3360, 21.3094



21.2630, 38.4018, 19.8022



2.1254, 3.7611, 2.2181

Inverse Universe

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



44.0324, 22.5032, 19.7971



44.2932, 22.4813, 18.0081



40.9040, 21.5659, 2.3550



18.3477, 18.1224, 20.4482



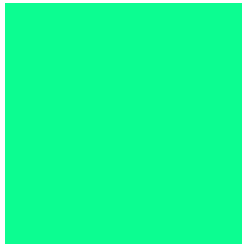
23.2168, 11.7760, 9.7923



2.3146, 1.1682, 1.2382

Previews

White Background



This preview shows how the XYZ color 40.3877, 72.3731, 38.6288 looks on a white background.

Color Contrast Check

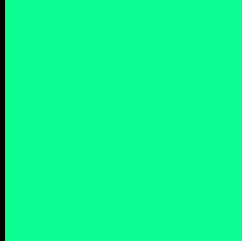
Large Text (above 18pt) WCAG AA × Fail

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 40.3877, 72.3731, 38.6288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

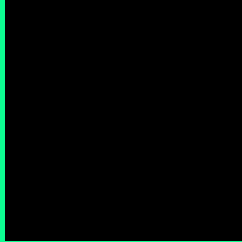
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

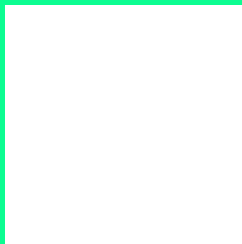
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.3877, 72.3731, 38.6288

Background



This preview shows how black text looks on a background with the XYZ color 40.3877, 72.3731, 38.6288.



This preview shows how white text looks on a background with the XYZ color 40.3877, 72.3731,

Color Blindness Simulation

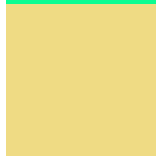
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



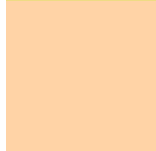
Original Color

40.3877, 72.3731, 38.6288



Protanopia

65.0930, 70.6797, 32.0416



Deuteranopia

71.4172, 70.6017, 45.9398



Tritanopia

55.6703, 71.5703, 105.4881

Trichromacy



Original Color

40.3877, 72.3731, 38.6288



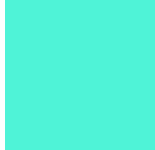
Protanomaly

46.8016, 66.0259, 33.9445



Deuteranomaly

49.3043, 65.0768, 42.3102



Tritanomaly

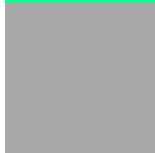
47.5408, 70.6697, 75.4249

Monochromacy



Original Color

40.3877, 72.3731, 38.6288



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

33.6815, 47.2914, 40.6106

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3877, 72.3731, 38.6288 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(12, 253, 145)` looks like.

```
.text, #text, p{  
    color:rgb(12, 253, 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(12, 253, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 253, 145) }
```

Border

The CSS property to change the border of an element to XYZ 40.3877, 72.3731, 38.6288 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(12, 253, 145) }
```


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

```
.border{ border-color:rgb(12, 253, 145) }
```

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

Here you see how a box with a 4 pixel rgb(12, 253, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 253, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 253, 145);  
box-shadow:4px 4px 4px 4px rgb(12, 253,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3877, 72.3731, 38.6288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 253, 145) }
```

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

```
.background{ background-color: rgb(12, 253,  
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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