

Converting Colors

XYZ(40.7970, 72.1066, 38.0752)

Have a look what the booklet for
XYZ(40.7970, 72.1066, 38.0752)
contains.

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Color

**XYZ(40.8407, 72.1480,
38.1590)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 2BFC90 |
| RGB | 43, 252, 144 |
| RGB Percent | 17%, 99%, 56% |
| CMY | 0.8313, 0.0117, 0.4353 |
| CMYK | 0.83, 0.00, 0.43, 0.01 |
| HSL | 149°, 97%, 58% |
| HSV | 149°, 83%, 99% |
| XYZ | 40.8407, 72.1480, 38.1590 |
| YIQ | 177.1970, -89.8960, -77.8960 |

Conversions

Conversions Part 2

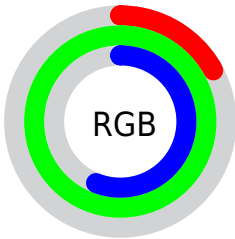
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 43, 184, 252 |
| Decimal | 2882704 |
| CIELab | 88.04, -71.15, 38.37 |
| CIELCh | 88, 80.834, 151.661 |
| Yxy | 72.1480, 0.2702, 0.4773 |
| Android (android.graphics.Color) | 4281072784 (0xFF2BFC90) |
| YUV | 177.1970, -16.3661, -117.6908 |
| Hunter-Lab | 84.9400, -62.8189, 32.8222 |

Details

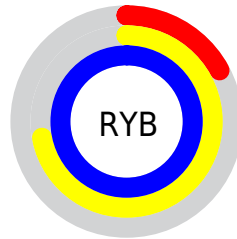
The XYZ color **40.8407, 72.1480, 38.1590** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **46.5970, 24.6590, 31.5850**, and the grayscale version is **42.0127, 44.2007, 48.1345**.

A 20% lighter version of the original color is **54.6730, 80.0791, 66.6081**, and **21.2236, 39.3563, 16.6031** is the 20% darker color. If you saturate the color by 10%, you get **39.1530, 71.3884, 33.1816**, and if you desaturate by 10%, it is **43.2981, 73.2951, 43.7750**.

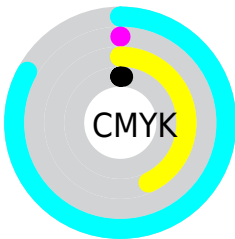
Distribution



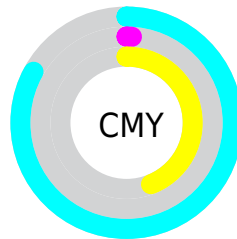
- Red (17%)
- Green (99%)
- Blue (56%)



- Red (17%)
- Yellow (72%)
- Blue (99%)



- Cyan (83%)
- Magenta (0%)
- Yellow (43%)
- Black (1%)





- Cyan (83%)
- Magenta (1%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8407, 72.1480, 38.1590 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 40.8407, 72.1480, 38.1590 by changing the saturation by 10% instead.


 40.8407, 72.1480,
38.1590


 40.8407, 72.1480,
38.1590


340.7284,
468.0566, 353.6202


 28.3818, 53.2796,
25.8033


 75.7182, 122.2669,
73.5579


 18.7555, 38.0260,
16.4521


 98.8676, 154.2862,
97.4382

 11.5967, 26.0029,
9.6868


 126.3110,
191.4579, 125.9972

 6.5400, 16.8258,
5.0889

 158.4140,
234.1665, 159.6533

 3.2198, 10.1104,
2.2399

195.5419,
282.7962, 198.8251

 1.2711, 5.4722,
0.6972

238.0600,

 0.1614, 2.5269,

337.7315, 243.9311

0.0000

286.3337,
399.3569, 295.3900

■ 0.0000, 0.8901,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.8407, 72.1480,
38.1590

■ 40.8407, 72.1480,
38.1590

■ 39.1530, 71.3884,
33.1816


■ 43.2981, 73.2951,
43.7750


■ 38.3109, 71.0232,
30.0304


■ 46.6275, 74.8760,
50.0490


■ 50.9203, 76.9395,
57.0053


■ 56.2542, 79.5252,
64.6651

 62.6986, 82.6686,
73.0487

 70.3168, 86.4018,
82.1754

 79.1670, 90.7545,
92.0637

 89.3035, 95.7545,
102.7315

 94.1017, 98.1035,
108.5839

Harmonies

Analogous

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



50.8940, 72.1480, 18.4011



40.8407, 72.1480, 38.1590



37.7853, 72.1480, 81.6748

Triad

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



40.8407, 72.1480, 38.1590



69.6547, 72.1480, 239.7102



105.2282, 72.1480, 34.9590

Complementary

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



40.8407, 72.1480, 38.1590



46.5970, 24.6590, 31.5850

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.



112.7209, 72.1480, 75.5194



40.8407, 72.1480, 38.1590



89.9381, 72.1480, 208.0578

Square

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



40.8407, 72.1480, 38.1590



52.4350, 72.1480, 214.0047



106.6643, 72.1480, 140.5227



87.7264, 72.1480, 17.2563

Rectangle

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



40.8407, 72.1480, 38.1590



39.5619, 72.1480, 124.6380



106.6643, 72.1480, 140.5227



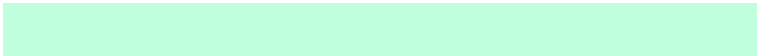
109.1342, 72.1480, 45.5160

Sweetspot

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



40.8425, 72.1509, 38.1607



70.5012, 87.9058, 82.3988



48.6643, 76.7144, 14.5286



14.4906, 18.5215, 16.9245



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.



40.8425, 72.1509, 38.1607



39.3494, 72.9558, 30.8214



52.2954, 76.7321, 98.4709



17.3668, 19.4490, 20.1323



20.0296, 37.0248, 16.0309



1.9084, 3.4505, 1.7654

Inverse Universe

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



46.5970, 24.6590, 31.5850



45.3893, 22.9197, 23.7801



41.5857, 22.6545, 5.1955



17.6191, 17.3750, 19.8501



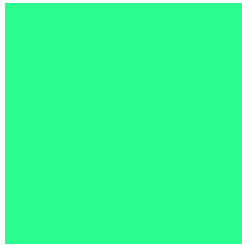
23.0935, 11.6531, 12.4670



2.1925, 1.1007, 1.4369

Previews

White Background



This preview shows how the XYZ color 40.8407, 72.1480, 38.1590 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 40.8407, 72.1480, 38.1590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

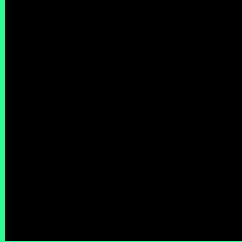
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.8407, 72.1480, 38.1590

Background



This preview shows how black text looks on a background with the XYZ color 40.8407, 72.1480, 38.1590.

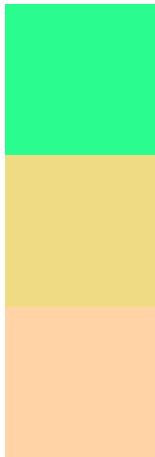


This preview shows how white text looks on a background with the XYZ color 40.8407, 72.1480,

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

40.8407, 72.1480, 38.1590

Protanopia

65.0249, 70.6525, 31.6828

Deuteranopia

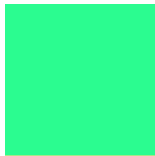
71.3258, 70.5651, 45.4585



Tritanopia

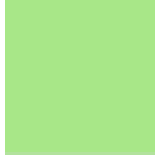
55.6703, 71.5703, 105.4881

Trichromacy



Original Color

40.8407, 72.1480, 38.1590



Protanomaly

49.1683, 67.2542, 33.6825



Deuteranomaly

51.6423, 66.2920, 41.9721



Tritanomaly

48.2343, 70.5842, 75.3719

Monochromacy



Original Color

40.8407, 72.1480, 38.1590



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

37.2865, 50.4915, 43.3779

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8407, 72.1480, 38.1590 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(43, 252, 144)` looks like.

```
.text, #text, p{  
    color:rgb(43, 252, 144)  
}
```

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(43, 252, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 252, 144) }
```

Border

The CSS property to change the border of an element to XYZ 40.8407, 72.1480, 38.1590 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(43, 252, 144) }
```


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

```
.border{ border-color:rgb(43, 252, 144) }
```

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

Here you see how a box with a 4 pixel rgb(43, 252, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 252, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 252, 144);  
box-shadow:4px 4px 4px 4px rgb(43, 252,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8407, 72.1480, 38.1590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 252, 144) }
```

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

```
.background{ background-color: rgb(43, 252,  
144) }
```

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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