

Converting Colors

XYZ(40.2939, 73.4913, 28.6701)

Have a look what the booklet for
XYZ(40.2939, 73.4913, 28.6701)
contains.

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Color

**XYZ(40.2776, 73.4848,
28.5841)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 33FF74 |
| RGB | 51, 255, 116 |
| RGB Percent | 20%, 100%, 45% |
| CMY | 0.8000, 0.0000, 0.5451 |
| CMYK | 0.80, 0.00, 0.55, 0.00 |
| HSL | 139°, 100%, 60% |
| HSV | 139°, 80%, 100% |
| XYZ | 40.2776, 73.4848, 28.5841 |
| YIQ | 178.1580, -76.9650, -86.4770 |

Conversions

Conversions Part 2

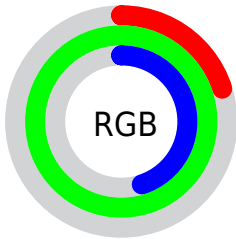
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 51, 206, 255 |
| Decimal | 3407732 |
| CIELab | 88.68, -75.64, 52.42 |
| CIELCh | 89, 92.029, 145.278 |
| Yxy | 73.4848, 0.2830, 0.5162 |
| Android (android.graphics.Color) | 4281597812 (0xFF33FF74) |
| YUV | 178.1580, -30.6439, -111.5176 |
| Hunter-Lab | 85.7233, -66.1464, 40.2363 |

Details

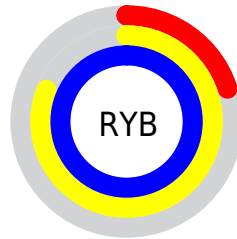
The XYZ color **40.2776, 73.4848, 28.5841** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **51.7180, 27.3455, 51.2666**, and the grayscale version is **42.5871, 44.8050, 48.7926**.

A 20% lighter version of the original color is **52.4708, 79.2856, 51.0662**, and **20.8358, 40.2803, 11.2341** is the 20% darker color. If you saturate the color by 10%, you get **38.4078, 72.6269, 23.7057**, and if you desaturate by 10%, it is **43.0404, 74.7811, 34.4934**.

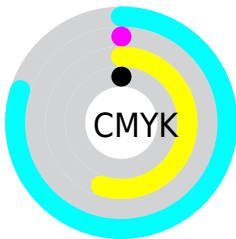
Distribution



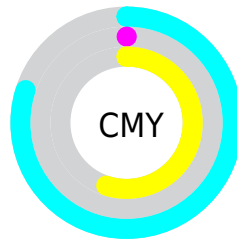
- Red (20%)
- Green (100%)
- Blue (45%)



- Red (20%)
- Yellow (81%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2776, 73.4848, 28.5841 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 40.2776, 73.4848, 28.5841 by changing the saturation by 10% instead.


 40.2776, 73.4848,
28.5841


 40.2776, 73.4848,
28.5841


338.4066,
472.6933, 309.2468


 27.9402, 54.3725,
18.5236


 74.8677, 124.1652,
58.4499


 18.4208, 38.8995,
11.1532


 97.8511, 156.5021,
79.0923

 11.3541, 26.6816,
6.0545


 125.1140,
194.0159, 104.0990

 6.3745, 17.3342,
2.8089

 157.0216,
237.0911, 133.8886

 3.1170, 10.4731,
0.9979

193.9393,
286.1120, 168.8797

 1.2159, 5.7137,
0.0000

236.2325,

 0.1189, 2.6718,

341.4631, 209.4907

0.0000

284.2664,
403.5288, 256.1402

0.0000, 0.9629,
0.0000

0.0000, 0.0000,
0.0000

40.2776, 73.4848,
28.5841

40.2776, 73.4848,
28.5841

38.4078, 72.6269,
23.7057

43.0404, 74.7811,
34.4934

37.2548, 72.1179,
19.7913

46.8056, 76.5713,
41.4860

37.2547, 72.1179,
19.7910

51.6672, 78.9026,
49.6149

57.7074, 81.8165,
58.9283

■ 65.0004, 85.3504,
69.4717

■ 73.6141, 89.5383,
81.2880

■ 83.6113, 94.4118,
94.4182

■ 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.



53.1388, 73.4848, 12.5234



40.2776, 73.4848, 28.5841



35.3237, 73.4848, 70.3541

Triad

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



40.2776, 73.4848, 28.5841



66.3858, 73.4848, 274.4838



116.0561, 73.4848, 38.3012

Complementary

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



40.2776, 73.4848, 28.5841



51.7180, 27.3455, 51.2666

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.



121.6822, 73.4848, 90.5166



40.2776, 73.4848, 28.5841



89.7303, 73.4848, 249.5644

Square

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



40.2776, 73.4848, 28.5841



48.2207, 73.4848, 228.6680



111.1903, 73.4848, 171.9378



97.1257, 73.4848, 15.6834

Rectangle

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



40.2776, 73.4848, 28.5841



36.1976, 73.4848, 116.7928



111.1903, 73.4848, 171.9378



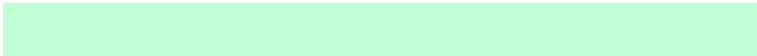
119.7160, 73.4848, 51.8993

Sweetspot

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



40.2779, 73.4849, 28.5853



70.0053, 87.7823, 76.4051



57.6930, 82.7578, 16.0653



14.3353, 18.4737, 15.4605



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.



40.2779, 73.4849, 28.5853



37.6575, 72.2938, 21.2460



49.7280, 77.2649, 78.3485



18.0100, 20.2635, 20.3559



19.5261, 37.7070, 10.6554



1.9484, 3.6903, 1.2861

Inverse Universe

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



51.7180, 27.3455, 51.2666



49.2862, 24.6556, 43.7548



44.2021, 24.3391, 11.6882



18.5319, 18.1961, 21.4182



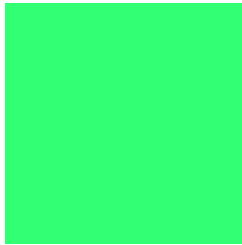
25.5989, 12.7289, 22.3361



2.5422, 1.2593, 2.4368

Previews

White Background



This preview shows how the XYZ color 40.2776, 73.4848, 28.5841 looks on a white background.

Color Contrast Check

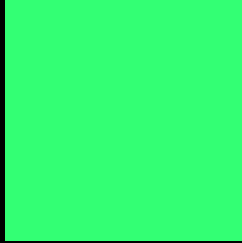
Large Text (above 18pt) WCAG AA × Fail

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 40.2776, 73.4848, 28.5841 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 40.2776, 73.4848, 28.5841

Background



This preview shows how black text looks on a background with the XYZ color 40.2776, 73.4848, 28.5841.

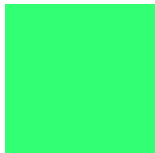


This preview shows how white text looks on a background with the XYZ color 40.2776, 73.4848,

Color Blindness Simulation

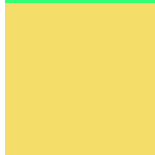
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

40.2776, 73.4848, 28.5841



Protanopia

65.7145, 71.9659, 23.7919



Deuteranopia

71.5558, 71.4571, 44.2036



Tritanopia

57.6778, 73.0362, 105.6652

Trichromacy



Original Color

40.2776, 73.4848, 28.5841



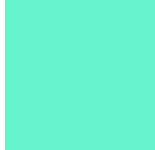
Protanomaly

49.3548, 68.3806, 25.0655



Deuteranomaly

51.9103, 67.3549, 37.0529



Tritanomaly

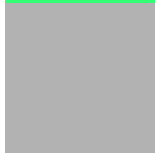
48.6166, 71.8277, 68.4285

Monochromacy



Original Color

40.2776, 73.4848, 28.5841



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

37.5034, 51.4147, 38.9577

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2776, 73.4848, 28.5841 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(51, 255, 116)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 116)  
}
```

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(51, 255, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 116) }
```

Border

The CSS property to change the border of an element to XYZ 40.2776, 73.4848, 28.5841 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(51, 255, 116) }
```


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

```
.border{ border-color:rgb(51, 255, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 116);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2776, 73.4848, 28.5841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 116) }
```

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

```
.background{ background-color: rgb(51, 255,  
116) }
```

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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