

Converting Colors

XYZ(40.7503, 75.6186, 27.9004)

Have a look what the booklet for
XYZ(40.7503, 75.6186, 27.9004)
contains.

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Color

**XYZ(39.4840, 73.1019,
27.3583)**

Conversions

Conversions Part 1

Format	Color
Hex	26FF70
RGB	38, 255, 112
RGB Percent	15%, 100%, 44%
CMY	0.8510, 0.0000, 0.5608
CMYK	0.85, 0.00, 0.56, 0.00
HSL	140°, 100%, 57%
HSV	140°, 85%, 100%
XYZ	39.4840, 73.1019, 27.3583
YIQ	173.8150, -83.4290, -90.4770

Conversions

Conversions Part 2

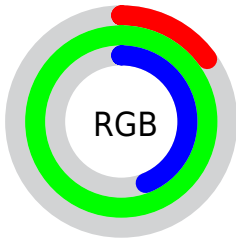
Format	Color
R_YB	38, 200, 255
Decimal	2555760
CIE Lab	88.50, -77.34, 53.96
CIE LCh	88, 94.304, 145.095
Yxy	73.1019, 0.2821, 0.5224
Android (android.graphics.Color)	4280745840 (0xFF26FF70)
YUV	173.8150, -30.4748, -119.1098
Hunter-Lab	85.4996, -67.1925, 40.8781

Details

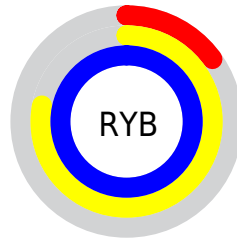
The XYZ color **39.4840, 73.1019, 27.3583** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **50.2740, 25.9829, 46.0825**, and the grayscale version is **40.3201, 42.4199, 46.1952**.

A 20% lighter version of the original color is **51.1925, 78.6700, 49.0459**, and **20.7300, 40.2380, 10.6771** is the 20% darker color. If you saturate the color by 10%, you get **37.9935, 72.4317, 22.8525**, and if you desaturate by 10%, it is **41.7921, 74.1734, 32.8163**.

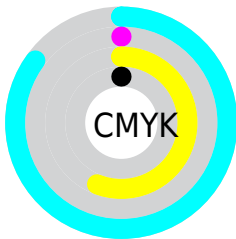
Distribution



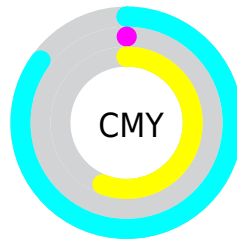
- Red (15%)
- Green (100%)
- Blue (44%)



- Red (15%)
- Yellow (78%)
- Blue (100%)



- Cyan (85%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)





- Cyan (85%)
- Magenta (0%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.4840, 73.1019, 27.3583 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 39.4840, 73.1019, 27.3583 by changing the saturation by 10% instead.

 39.4840, 73.1019,
27.3583


 39.4840, 73.1019,
27.3583


335.1157,
471.3679, 303.2027


 27.3189, 54.0593,
17.6077


 73.6665, 123.6219,
56.4690


 17.9507, 38.6491,
10.5022


 96.4145, 155.8680,
76.6662

 11.0141, 26.4868,
5.6232


 123.4209,
193.2841, 101.1826

 6.1437, 17.1882,
2.5523

 155.0511,
236.2546, 130.4368

 2.9741, 10.3688,
0.8677

191.6702,
285.1638, 164.8474

 1.1401, 5.6441,
0.0000

233.6438,

 0.0583, 2.6299,

340.3961, 204.8329

0.0000

281.3372,
402.3361, 250.8118

■ 0.0000, 0.9417,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.4840, 73.1019,
27.3583

■ 39.4840, 73.1019,
27.3583

■ 37.9935, 72.4317,
22.8525


■ 41.7921, 74.1734,
32.8163

■ 37.4786, 72.2074,
20.9701


■ 45.0386, 75.7074,
39.2755


■ 49.3241, 77.7549,
46.7854

■ 54.7352, 80.3596,
55.3910

 61.3491, 83.5603,
65.1346

 69.2359, 87.3925,
76.0563

 78.4600, 91.8887,
88.1939

 89.0817, 97.0790,
101.5839

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.



52.5666, 73.1019, 11.5825



39.4840, 73.1019, 27.3583



34.4388, 73.1019, 69.3801

Triad

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



39.4840, 73.1019, 27.3583



65.8161, 73.1019, 280.3582



116.9709, 73.1019, 37.4828

Complementary

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



39.4840, 73.1019, 27.3583



50.2740, 25.9829, 46.0825

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.



122.6646, 73.1019, 90.7675



39.4840, 73.1019, 27.3583



89.6830, 73.1019, 254.9160

Square

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



39.4840, 73.1019, 27.3583



47.3809, 73.1019, 232.3947



111.7693, 73.1019, 174.6749



97.5651, 73.1019, 14.7977

Rectangle

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



39.4840, 73.1019, 27.3583



35.2888, 73.1019, 116.7836



111.7693, 73.1019, 174.6749



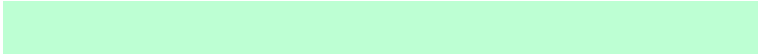
120.7089, 73.1019, 51.2813

Sweetspot

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



39.4844, 73.1021, 27.3595



68.4686, 87.0192, 75.0192



55.5597, 81.6867, 14.6730



14.0475, 18.3302, 15.2265



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.



39.4844, 73.1021, 27.3595



37.4786, 72.2074, 20.9701



49.3239, 77.0379, 79.1737



18.0272, 20.2704, 20.4461



19.6459, 37.7549, 11.2864



1.9616, 3.6956, 1.3559

Inverse Universe

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



50.2740, 25.9829, 46.0825



48.3117, 24.0887, 39.1692



43.1751, 23.1433, 8.7004



18.5140, 18.1889, 21.3239



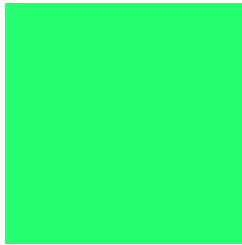
25.3167, 12.6160, 20.8499



2.5162, 1.2489, 2.2999

Previews

White Background



This preview shows how the XYZ color 39.4840, 73.1019, 27.3583 looks on a white background.

Color Contrast Check

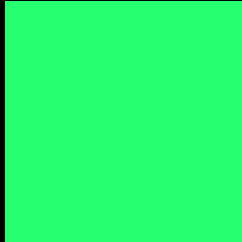
Large Text (above 18pt) WCAG AA × Fail

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 39.4840, 73.1019, 27.3583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

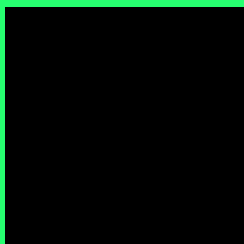
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.4840, 73.1019, 27.3583

Background



This preview shows how black text looks on a background with the XYZ color 39.4840, 73.1019, 27.3583.

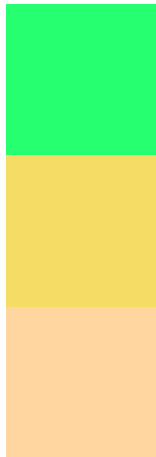


This preview shows how white text looks on a background with the XYZ color 39.4840, 73.1019,

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

39.4840, 73.1019, 27.3583

Protanopia

65.2504, 71.3591, 22.6465

Deuteranopia

71.3794, 71.3866, 43.2746



Tritanopia

56.7916, 72.1483, 105.5405

Trichromacy



Original Color

39.4840, 73.1019, 27.3583



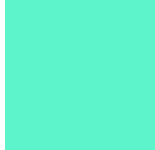
Protanomaly

48.0509, 67.7328, 23.9058



Deuteranomaly

50.6058, 66.7001, 36.1938



Tritanomaly

47.6444, 71.3403, 67.7589

Monochromacy



Original Color

39.4840, 73.1019, 27.3583



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

35.3993, 49.3062, 36.9295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4840, 73.1019, 27.3583 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(38, 255, 112)` looks like.

```
.text, #text, p{  
    color:rgb(38, 255, 112)  
}
```

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(38, 255, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 255, 112) }
```

Border

The CSS property to change the border of an element to XYZ 39.4840, 73.1019, 27.3583 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(38, 255, 112) }
```


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

```
.border{ border-color:rgb(38, 255, 112) }
```

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

Here you see how a box with a 4 pixel rgb(38, 255, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 255, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 255, 112);  
box-shadow:4px 4px 4px 4px rgb(38, 255,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4840, 73.1019, 27.3583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 255, 112) }
```

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

```
.background{ background-color: rgb(38, 255,  
112) }
```

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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