

Converting Colors

XYZ(39.3489, 68.9109, 29.9910)

Have a look what the booklet for
XYZ(39.3489, 68.9109, 29.9910)
contains.

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Color

**XYZ(39.2786, 68.7581,
29.9403)**

Conversions

Conversions Part 1

Format	Color
Hex	49F67B
RGB	73, 246, 123
RGB Percent	29%, 96%, 48%
CMY	0.7137, 0.0353, 0.5176
CMYK	0.70, 0.00, 0.50, 0.04
HSL	137°, 91%, 63%
HSV	137°, 70%, 96%
XYZ	39.2786, 68.7581, 29.9403
YIQ	180.2510, -63.6250, -74.9290

Conversions

Conversions Part 2

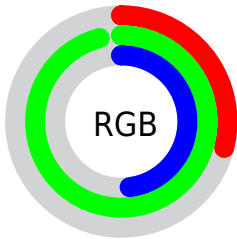
Format	Color
RYB	73, 207, 246
Decimal	4847227
CIELab	86.38, -68.88, 46.47
CIELCh	86, 83.091, 145.996
Yxy	68.7581, 0.2847, 0.4983
Android (android.graphics.Color)	4283037307 (0xFF49F67B)
YUV	180.2510, -28.2247, -94.0591
Hunter-Lab	82.9205, -60.5572, 36.6364

Details

The XYZ color **39.2786, 68.7581, 29.9403** 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 **50.3545, 28.3447, 55.0438**, and the grayscale version is **43.6904, 45.9657, 50.0566**.

A 20% lighter version of the original color is **54.8511, 80.4451, 54.2315**, and **19.1206, 36.4214, 11.9835** is the 20% darker color. If you saturate the color by 10%, you get **36.7713, 67.5829, 24.6100**, and if you desaturate by 10%, it is **42.7215, 70.3969, 36.3385**.

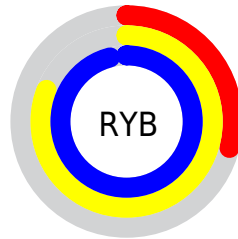
Distribution



Red (29%)

Green (96%)

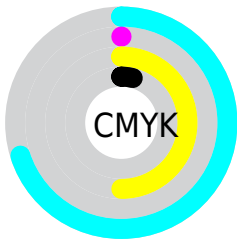
Blue (48%)



Red (29%)

Yellow (81%)

Blue (96%)

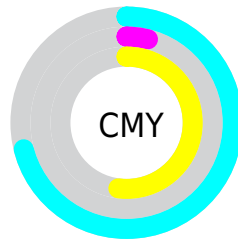


Cyan (70%)

Magenta (0%)

Yellow (50%)

Black (4%)



Cyan (71%)

Magenta (4%)

Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.2786, 68.7581, 29.9403 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 39.2786, 68.7581, 29.9403 by changing the saturation by 10% instead.


 39.2786, 68.7581,
29.9403


 39.2786, 68.7581,
29.9403


334.2603,
456.1773, 315.8247


 27.1582, 50.5147,
19.5416


 73.3551, 117.4360,
60.6276


 17.8293, 35.8226,
11.8815


 96.0419, 148.6393,
81.7534

 10.9264, 24.2972,
6.5415


 122.9816,
184.9314, 107.2919

 6.0843, 15.5542,
3.1030

 154.5395,
226.6967, 137.6617

 2.9376, 9.2093,
1.1475

191.0809,
274.3195, 173.2813

 1.1208, 4.8779,
0.0000

232.9713,

 0.0424, 2.1758,

328.1843, 214.5693

0.0000

280.5760,
388.6755, 261.9443

■ 0.0000, 0.7068,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.2786, 68.7581,
29.9403

■ 39.2786, 68.7581,
29.9403

■ 36.7713, 67.5829,
24.6100

■ 42.7215, 70.3969,
36.3385


■ 35.0915, 66.8109,
20.2837


■ 47.1822, 72.5347,
43.8545


■ 34.0976, 66.3704,
16.9917


■ 52.7391, 75.2130,
52.5402

■ 59.4616, 78.4663,
62.4432

 67.4130, 82.3265,
73.6083

 76.6519, 86.8229,
86.0780

 87.2332, 91.9829,
99.8927

 92.2471, 94.3942,
107.9657

Harmonies

Analogous

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



50.4712, 68.7581, 14.3755



39.2786, 68.7581, 29.9403



35.0117, 68.7581, 67.7239

Triad

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



39.2786, 68.7581, 29.9403



62.8087, 68.7581, 237.5992



104.4638, 68.7581, 37.4307

Complementary

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



39.2786, 68.7581, 29.9403



50.3545, 28.3447, 55.0438

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.



109.5262, 68.7581, 82.4931



39.2786, 68.7581, 29.9403



82.9044, 68.7581, 215.7621

Square

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



39.2786, 68.7581, 29.9403



46.8057, 68.7581, 201.1551



100.9795, 68.7581, 150.9194



88.2469, 68.7581, 16.9751

Rectangle

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



39.2786, 68.7581, 29.9403



35.9025, 68.7581, 107.9416



100.9795, 68.7581, 150.9194



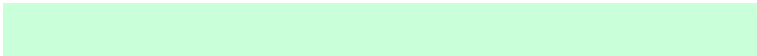
107.6476, 68.7581, 49.3481

Sweetspot

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



39.2803, 68.7609, 29.9419



72.4834, 89.0059, 78.9554



57.1824, 78.2639, 18.3964



14.9801, 18.7913, 16.1584



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.



39.2803, 68.7609, 29.9419



39.1000, 72.9607, 24.7773



47.1543, 71.9105, 71.4057



16.4792, 18.5508, 18.5416



18.2517, 35.4455, 9.3453



1.6468, 3.1324, 1.0461

Inverse Universe

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



50.3545, 28.3447, 55.0438



51.6620, 26.6864, 52.9341



43.2313, 25.4954, 17.5336



16.9975, 16.6819, 19.7335



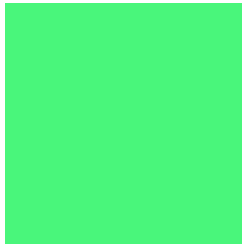
24.4750, 12.1334, 23.0073



2.1955, 1.0842, 2.2559

Previews

White Background



This preview shows how the XYZ color 39.2786, 68.7581, 29.9403 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 39.2786, 68.7581, 29.9403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

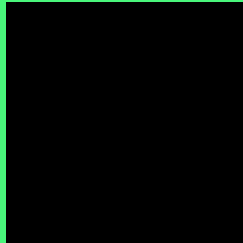
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

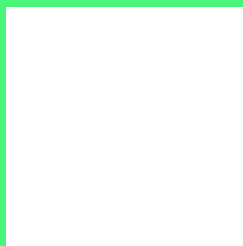
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.2786, 68.7581, 29.9403

Background



This preview shows how black text looks on a background with the XYZ color 39.2786, 68.7581, 29.9403.

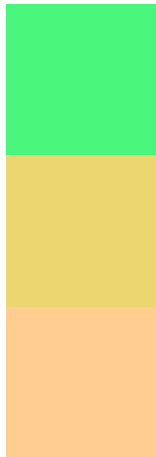


This preview shows how white text looks on a background with the XYZ color 39.2786, 68.7581,

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

39.2786, 68.7581, 29.9403

Protanopia

61.5633, 67.0959, 25.0353

Deuteranopia

68.0292, 66.9058, 35.3152



Tritanopia

53.4717, 68.3913, 101.6494

Trichromacy



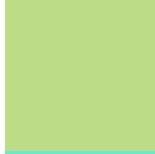
Original Color

39.2786, 68.7581, 29.9403



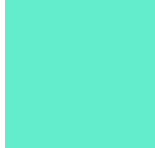
Protanomaly

48.4802, 65.0008, 26.5142



Deuteranomaly

51.0234, 63.7828, 32.9146



Tritanomaly

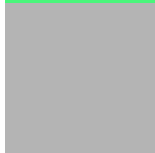
46.4388, 67.6373, 67.7345

Monochromacy



Original Color

39.2786, 68.7581, 29.9403



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

38.8354, 51.3517, 40.6659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2786, 68.7581, 29.9403 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(73, 246, 123)` looks like.

```
.text, #text, p{  
    color:rgb(73, 246, 123)  
}
```

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(73, 246, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 246, 123) }
```

Border

The CSS property to change the border of an element to XYZ 39.2786, 68.7581, 29.9403 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(73, 246, 123) }
```


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

```
.border{ border-color:rgb(73, 246, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 246, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 246, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 246, 123);  
box-shadow:4px 4px 4px 4px rgb(73, 246,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 39.2786, 68.7581, 29.9403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 246, 123) }
```

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

```
.background{ background-color: rgb(73, 246,  
123) }
```

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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