

Converting Colors

XYZ(39.0986, 68.5192, 29.2593)

Have a look what the booklet for
XYZ(39.0986, 68.5192, 29.2593)
contains.

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Color

**XYZ(39.2310, 68.7479,
29.2911)**

Conversions

Conversions Part 1

Format	Color
Hex	4AF679
RGB	74, 246, 121
RGB Percent	29%, 96%, 47%
CMY	0.7098, 0.0353, 0.5255
CMYK	0.70, 0.00, 0.51, 0.04
HSL	136°, 91%, 63%
HSV	136°, 70%, 96%
XYZ	39.2310, 68.7479, 29.2911
YIQ	180.3220, -62.3870, -75.3390

Conversions

Conversions Part 2

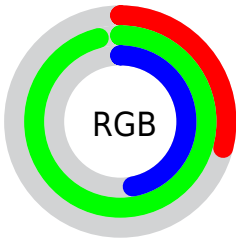
Format	Color
RYB	74, 209, 246
Decimal	4912761
CIELab	86.38, -69.01, 47.41
CIELCh	86, 83.726, 145.513
Yxy	68.7479, 0.2858, 0.5008
Android (android.graphics.Color)	4283102841 (0xFF4AF679)
YUV	180.3220, -29.2457, -93.2444
Hunter-Lab	82.9144, -60.6427, 37.0947

Details

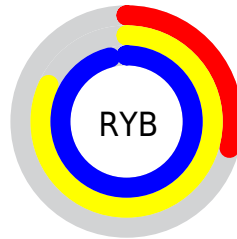
The XYZ color **39.2310, 68.7479, 29.2911** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **50.7657, 28.6151, 56.8823**, and the grayscale version is **43.7334, 46.0109, 50.1059**.

A 20% lighter version of the original color is **54.8256, 80.4548, 53.1972**, and **19.0574, 36.3961, 11.6509** is the 20% darker color. If you saturate the color by 10%, you get **36.6977, 67.5590, 23.9710**, and if you desaturate by 10%, it is **42.7109, 70.4052, 35.7192**.

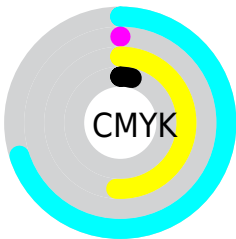
Distribution



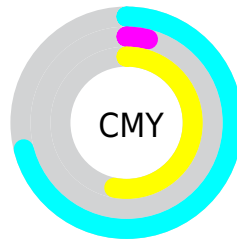
- Red (29%)
- Green (96%)
- Blue (47%)



- Red (29%)
- Yellow (82%)
- Blue (96%)



- Cyan (70%)
- Magenta (0%)
- Yellow (51%)
- Black (4%)





- Cyan (71%)
- Magenta (4%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.2310, 68.7479, 29.2911 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 39.2310, 68.7479, 29.2911 by changing the saturation by 10% instead.

 39.2310, 68.7479,
29.2911


 39.2310, 68.7479,
29.2911


334.0619,
456.1413, 312.6898


 27.1210, 50.5064,
19.0537


 73.2829, 117.4214,
59.5870


 17.8012, 35.8160,
11.5319


 95.9555, 148.6223,
80.4825

 10.9062, 24.2921,
6.3071


 122.8797,
184.9117, 105.7678

 6.0706, 15.5504,
2.9609

 154.4208,
226.6741, 135.8614

 2.9291, 9.2066,
1.0747

190.9443,
274.2939, 171.1818

 1.1164, 4.8762,
0.0000

232.8153,

 0.0388, 2.1748,

328.1554, 212.1477

0.0000

280.3994,
388.6431, 259.1775

■ 0.0000, 0.7062,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.2310, 68.7479,
29.2911

■ 39.2310, 68.7479,
29.2911

■ 36.6977, 67.5590,
23.9710

■ 42.7109, 70.4052,
35.7192

■ 35.0027, 66.7782,
19.6905


■ 47.2198, 72.5663,
43.3087

■ 33.9839, 66.3252,
16.3793


■ 52.8366, 75.2727,
52.1154


■ 33.9770, 66.3222,
16.3561

■ 59.6308, 78.5593,
62.1899

 67.6662, 82.4579,
73.5800

 77.0017, 86.9980,
86.3308

 87.6927, 92.2072,
100.4856

 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.



50.5968, 68.7479, 14.0037



39.2310, 68.7479, 29.2911



34.8355, 68.7479, 66.8272

Triad

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



39.2310, 68.7479, 29.2911



62.4762, 68.7479, 239.1738



104.9840, 68.7479, 37.7110

Complementary

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



39.2310, 68.7479, 29.2911



50.7657, 28.6151, 56.8823

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.



109.8768, 68.7479, 83.5008



39.2310, 68.7479, 29.2911



82.7070, 68.7479, 218.0066

Square

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



39.2310, 68.7479, 29.2911



46.4651, 68.7479, 201.4503



101.0430, 68.7479, 152.8143



88.7452, 68.7479, 16.9101

Rectangle

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



39.2310, 68.7479, 29.2911



35.6578, 68.7479, 107.1104



101.0430, 68.7479, 152.8143



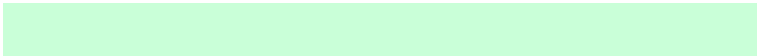
108.1313, 68.7479, 49.8274

Sweetspot

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



39.2327, 68.7507, 29.2927



72.3740, 88.9621, 78.3790



58.0493, 78.7069, 18.6113



14.9544, 18.7810, 16.0231



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.



39.2327, 68.7507, 29.2927



38.9345, 72.8945, 23.9058



46.9062, 71.8201, 69.7005



16.4682, 18.5464, 18.4840



18.1851, 35.4189, 8.9947



1.6398, 3.1296, 1.0089

Inverse Universe

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



50.7657, 28.6151, 56.8823



52.0432, 26.8389, 54.9416



43.5015, 25.7094, 18.6298



17.0091, 16.6865, 19.7945



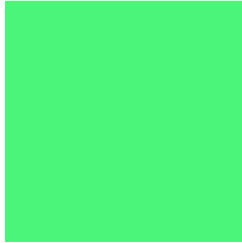
24.6793, 12.2151, 24.0832



2.2121, 1.0908, 2.3434

Previews

White Background



This preview shows how the XYZ color 39.2310, 68.7479, 29.2911 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 39.2310, 68.7479, 29.2911 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 39.2310, 68.7479, 29.2911

Background



This preview shows how black text looks on a background with the XYZ color 39.2310, 68.7479, 29.2911.

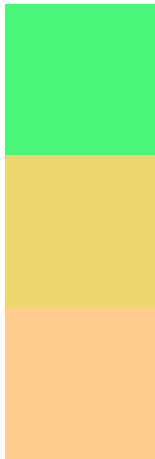


This preview shows how white text looks on a background with the XYZ color 39.2310, 68.7479,

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

39.2310, 68.7479, 29.2911

Protanopia

61.4531, 67.0518, 24.4552

Deuteranopia

68.0292, 66.9058, 35.3152



Tritanopia

53.6053, 68.4602, 101.6556

Trichromacy



Original Color

39.2310, 68.7479, 29.2911



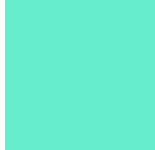
Protanomaly

48.3651, 64.9547, 25.9080



Deuteranomaly

50.9526, 63.7545, 32.5420



Tritanomaly

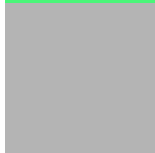
46.5501, 67.6947, 67.7397

Monochromacy



Original Color

39.2310, 68.7479, 29.2911



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 39.2310, 68.7479, 29.2911 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(74, 246, 121)` looks like.

```
.text, #text, p{  
    color:rgb(74, 246, 121)  
}
```

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(74, 246, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 246, 121) }
```

Border

The CSS property to change the border of an element to XYZ 39.2310, 68.7479, 29.2911 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(74, 246, 121) }
```


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

```
.border{ border-color:rgb(74, 246, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 246, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 246, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 246, 121);  
box-shadow:4px 4px 4px 4px rgb(74, 246,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 39.2310, 68.7479, 29.2911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 246, 121) }
```

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

```
.background{ background-color: rgb(74, 246,  
121) }
```

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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