

Converting Colors

XYZ(39.5561, 72.5842, 18.8069)

Have a look what the booklet for
XYZ(39.5561, 72.5842, 18.8069)
contains.

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Color

**XYZ(39.4103, 72.3089,
18.7174)**

Conversions

Conversions Part 1

Format	Color
Hex	4CFD4C
RGB	76, 253, 76
RGB Percent	30%, 99%, 30%
CMY	0.7020, 0.0078, 0.7019
CMYK	0.70, 0.00, 0.70, 0.01
HSL	120°, 98%, 65%
HSV	120°, 70%, 99%
XYZ	39.4103, 72.3089, 18.7174
YIQ	179.8990, -48.6750, -92.5710

Conversions

Conversions Part 2

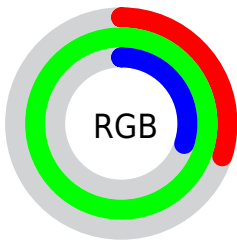
Format	Color
RYB	76, 253, 253
Decimal	5045580
CIELab	88.12, -75.94, 68.31
CIELCh	88, 102.138, 138.028
Yxy	72.3089, 0.3021, 0.5544
Android (android.graphics.Color)	4283235660 (0xFF4CFD4C)
YUV	179.8990, -51.2222, -91.1194
Hunter-Lab	85.0346, -66.0827, 46.4736

Details

The XYZ color **39.4103, 72.3089, 18.7174** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **60.8236, 33.1442, 96.1191**, and the grayscale version is **43.6149, 45.8863, 49.9702**.

A 20% lighter version of the original color is **52.0263, 79.4165, 34.7772**, and **19.5151, 39.0302, 6.5050** is the 20% darker color. If you saturate the color by 10%, you get **37.0680, 71.1860, 14.8848**, and if you desaturate by 10%, it is **42.8913, 73.9832, 24.4103**.

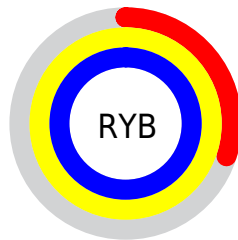
Distribution



Red (30%)

Green (99%)

Blue (30%)



Red (30%)

Yellow (99%)

Blue (99%)

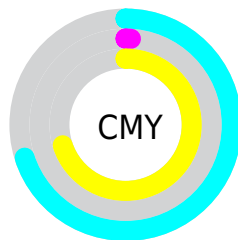


Cyan (70%)

Magenta (0%)

Yellow (70%)

Black (1%)



Cyan (70%)


Magenta (1%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.4103, 72.3089, 18.7174 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 39.4103, 72.3089, 18.7174 by changing the saturation by 10% instead.


 39.4103, 72.3089,
18.7174


 39.4103, 72.3089,
18.7174


334.8090,
468.6161, 257.2547

 27.2612, 53.4111,
11.2915


 73.5548, 122.4956,
42.0863


 17.9071, 38.1310,
6.1466


 96.2809, 154.5532,
58.8665


 10.9826, 26.0844,
2.8642


 123.2633,
191.7663, 79.6018

 6.1223, 16.8868,
1.0257

 154.8676,
234.5191, 104.7108

 2.9610, 10.1538,
0.0000

 191.4589,
283.1961, 134.6121

 1.1332, 5.5011,
0.0000

233.4027,

 0.0526, 2.5441,

338.1816, 169.7241

0.0000

281.0642,
399.8602, 210.4655

■ 0.0000, 0.8987,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.4103, 72.3089,
18.7174

■ 39.4103, 72.3089,
18.7174

■ 37.0680, 71.1860,
14.8848

■ 42.8913, 73.9832,
24.4103

■ 35.7175, 70.5372,
12.6755


■ 47.6250, 76.2570,
32.1532


■ 35.1286, 70.2544,
11.7121

■ 53.7170, 79.1833,
42.1178


■ 35.1268, 70.2535,
11.7092

■ 61.2606, 82.8069,
54.4567

 70.3407, 87.1685,
69.3087

 81.0357, 92.3059,
86.8021

 93.4187, 98.2541,
107.0564

 94.4168, 98.7335,
108.6889

Harmonies

Analogous

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



55.2040, 72.3089, 7.6115



39.4103, 72.3089, 18.7174



32.2847, 72.3089, 54.0154

Triad

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



39.4103, 72.3089, 18.7174



59.4457, 72.3089, 296.9495



123.7023, 72.3089, 44.0351

Complementary

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



39.4103, 72.3089, 18.7174



60.8236, 33.1442, 96.1191

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.



125.6105, 72.3089, 110.0295



39.4103, 72.3089, 18.7174



84.2966, 72.3089, 288.1351

Square

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



39.4103, 72.3089, 18.7174



41.8795, 72.3089, 226.8720



109.8509, 72.3089, 207.1451



105.1285, 72.3089, 15.1232

Rectangle

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



39.4103, 72.3089, 18.7174



31.9470, 72.3089, 99.0308



109.8509, 72.3089, 207.1451



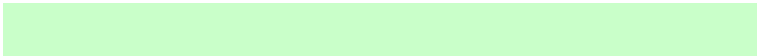
126.4507, 72.3089, 61.4160

Sweetspot

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



39.4120, 72.3119, 18.7190



70.5644, 88.2383, 68.8500



76.9410, 91.6588, 20.4743



14.5328, 18.6124, 13.8029



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.



39.4120, 72.3119, 18.7190



37.0634, 72.1461, 14.0524



44.8536, 74.4886, 47.3741



17.7717, 20.1682, 19.1006



18.6854, 37.3708, 6.2286



1.8193, 3.6387, 0.6065

Inverse Universe

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



60.8236, 33.1442, 96.1191



60.0749, 30.0516, 97.2359



49.8405, 28.7510, 38.2830



18.7927, 18.3004, 22.7916



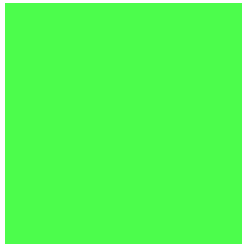
30.9796, 14.8811, 50.6704



3.0164, 1.4489, 4.9336

Previews

White Background



This preview shows how the XYZ color 39.4103, 72.3089, 18.7174 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 39.4103, 72.3089, 18.7174 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 39.4103, 72.3089, 18.7174

Background



This preview shows how black text looks on a background with the XYZ color 39.4103, 72.3089, 18.7174.

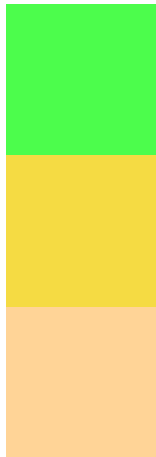


This preview shows how white text looks on a background with the XYZ color 39.4103, 72.3089,

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

39.4103, 72.3089, 18.7174

Protanopia

64.0008, 70.4808, 15.5411

Deuteranopia

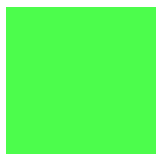
70.3694, 70.5813, 39.1928



Tritanopia

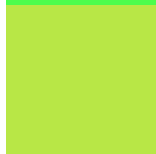
56.6496, 71.6465, 105.4512

Trichromacy



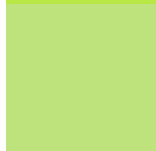
Original Color

39.4103, 72.3089, 18.7174



Protanomaly

49.4486, 67.7844, 16.2718



Deuteranomaly

52.3424, 67.3406, 29.3081



Tritanomaly

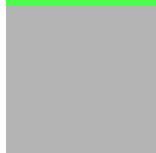
47.2307, 70.4101, 59.8164

Monochromacy



Original Color

39.4103, 72.3089, 18.7174



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

38.3506, 52.3294, 33.6705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4103, 72.3089, 18.7174 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(76, 253, 76)` looks like.

```
.text, #text, p{  
    color:rgb(76, 253, 76)  
}
```

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(76, 253, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 253, 76) }
```

Border

The CSS property to change the border of an element to XYZ 39.4103, 72.3089, 18.7174 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(76, 253, 76) }
```


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

```
.border{ border-color:rgb(76, 253, 76) }
```

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

Here you see how a box with a 4 pixel rgb(76, 253, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 253, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 253, 76);  
box-shadow:4px 4px 4px 4px rgb(76, 253,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4103, 72.3089, 18.7174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 253, 76) }
```

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

```
.background{ background-color: rgb(76, 253,  
76) }
```

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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