

Converting Colors

XYZ(37.2025, 69.8742, 11.9158)

Have a look what the booklet for
XYZ(37.2025, 69.8742, 11.9158)
contains.

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Color

**XYZ(37.2387, 69.9368,
11.9172)**

Conversions

Conversions Part 1

Format	Color
Hex	4CFA0D
RGB	76, 250, 13
RGB Percent	30%, 98%, 5%
CMY	0.7020, 0.0196, 0.9489
CMYK	0.70, 0.00, 0.95, 0.02
HSL	104°, 96%, 52%
HSV	104°, 95%, 98%
XYZ	37.2387, 69.9368, 11.9172
YIQ	170.9560, -27.6270, -110.5950

Conversions

Conversions Part 2

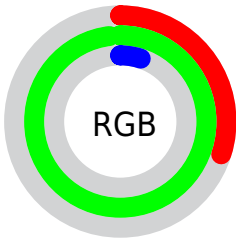
Format	Color
RYB	13, 250, 187
Decimal	5044749
CIELab	86.97, -77.95, 81.86
CIELCh	87, 113.037, 133.600
Yxy	69.9368, 0.3127, 0.5872
Android (android.graphics.Color)	4283234829 (0xFF4CFA0D)
YUV	170.9560, -77.8723, -83.2764
Hunter-Lab	83.6282, -66.8654, 50.0908

Details

The XYZ color **37.2387, 69.9368, 11.9172** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated green. A complement of this color would be **37.9028, 17.7605, 91.8768**, and the grayscale version is **39.0787, 41.1138, 44.7729**.

A 20% lighter version of the original color is **50.0383, 78.6421, 23.3686**, and **18.8496, 37.6993, 6.2832** is the 20% darker color. If you saturate the color by 10%, you get **36.4630, 69.5474, 11.5022**, and if you desaturate by 10%, it is **39.1901, 70.9129, 13.4584**.

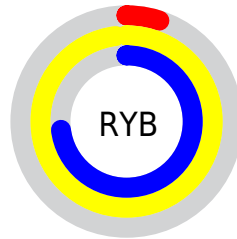
Distribution



 Red (30%)

 Green (98%)

 Blue (5%)




 Red (5%)

 Yellow (98%)

 Blue (73%)

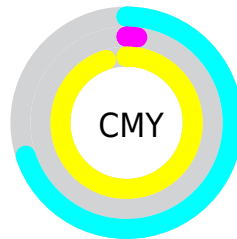


 Cyan (70%)

 Magenta (0%)

 Yellow (95%)

 Black (2%)



 Cyan (70%)


 Magenta (2%)


 Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.2387, 69.9368, 11.9172 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 37.2387, 69.9368, 11.9172 by changing the saturation by 10% instead.


 37.2387, 69.9368,
11.9172


 37.2387, 69.9368,
11.9172


325.6804,
460.3281, 214.8148


 25.5669, 51.4750,
6.5655


 70.2512, 119.1186,
30.0064

 16.6309, 36.5868,
3.1176


 92.3226, 150.6074,
43.5808


 10.0653, 24.8877,
1.1550


 118.5912,
187.2074, 60.7333

 5.5049, 15.9934,
0.0000

 149.4225,
229.3029, 81.8824

 2.5842, 9.5195,
0.0000

 185.1816,
277.2783, 107.4465

 0.9379, 5.0816,
0.0000

 226.2341,

 0.0000, 2.2952,

331.5181, 137.8443

0.0000

272.9453,
392.4065, 173.4942

■ 0.0000, 0.7712,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.2387, 69.9368,
11.9172

■ 37.2387, 69.9368,
11.9172

■ 36.4630, 69.5474,
11.5022

■ 39.1901, 70.9129,
13.4584

■ 41.8584, 72.2251,
16.4419

■ 45.3209, 73.9102,
21.1169

■ 49.6423, 75.9971,
27.6849

■ 54.8798, 78.5114,
36.3190

■ 61.0855, 81.4768,
47.1731

■ 68.3071, 84.9147,
60.3862

■ 76.5894, 88.8454,
76.0859

■ 85.9741, 93.2880,
94.3909

Harmonies

Analogous

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



55.2311, 69.9368, 4.2155



37.2387, 69.9368, 11.9172



28.6840, 69.9368, 42.0201

Triad

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



37.2387, 69.9368, 11.9172



53.1388, 69.9368, 318.2815



129.0685, 69.9368, 46.8116

Complementary

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



37.2387, 69.9368, 11.9172



37.9028, 17.7605, 91.8768

Split Complementary

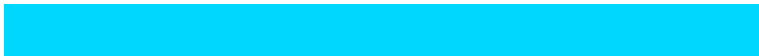
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



128.0711, 69.9368, 125.0457



37.2387, 69.9368, 11.9172



79.1450, 69.9368, 323.0800

Square

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



37.2387, 69.9368, 11.9172



36.0585, 69.9368, 226.9548



108.0109, 69.9368, 237.5263



110.4552, 69.9368, 13.4376

Rectangle

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



37.2387, 69.9368, 11.9172



27.5758, 69.9368, 85.6519



108.0109, 69.9368, 237.5263



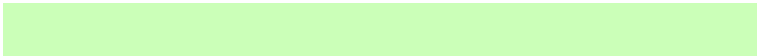
131.1399, 69.9368, 67.3769

Sweetspot

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



37.2403, 69.9397, 11.9188



68.8821, 87.6005, 58.4060



57.2293, 55.8148, 8.1388



14.0493, 18.4195, 11.2332



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.



37.2403, 69.9397, 11.9188



38.1271, 72.7403, 12.0308



35.4068, 68.8813, 16.9502



17.4499, 19.5322, 18.3128



19.4555, 36.9480, 6.1063



1.8976, 3.4714, 0.5700

Inverse Universe

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



37.9028, 17.7605, 91.8768



38.6028, 17.8153, 96.0119



49.3880, 24.5406, 53.5922



17.5167, 17.2790, 21.7972



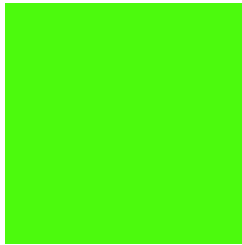
19.7267, 9.1122, 48.6927



1.9272, 0.8956, 4.5145

Previews

White Background



This preview shows how the XYZ color 37.2387, 69.9368, 11.9172 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 37.2387, 69.9368, 11.9172 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 37.2387, 69.9368, 11.9172

Background



This preview shows how black text looks on a background with the XYZ color 37.2387, 69.9368, 11.9172.



This preview shows how white text looks on a background with the XYZ color 37.2387, 69.9368,

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

37.2387, 69.9368, 11.9172

Protanopia

61.5180, 68.1664, 9.9151

Deuteranopia

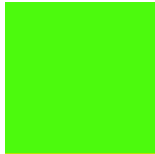
68.0990, 68.0930, 32.1083



Tritanopia

54.8734, 69.1139, 101.7150

Trichromacy



Original Color

37.2387, 69.9368, 11.9172



Protanomaly

47.0622, 65.4428, 10.2949



Deuteranomaly

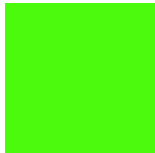
49.4683, 64.4607, 19.5078



Tritanomaly

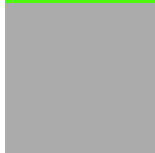
43.7517, 67.6015, 45.8644

Monochromacy



Original Color

37.2387, 69.9368, 11.9172



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

33.8449, 47.7577, 23.3539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2387, 69.9368, 11.9172 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, 250, 13)` looks like.

```
.text, #text, p{  
    color:rgb(76, 250, 13)  
}
```

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, 250, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 250, 13) }
```

Border

The CSS property to change the border of an element to XYZ 37.2387, 69.9368, 11.9172 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, 250, 13) }
```


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

```
.border{ border-color:rgb(76, 250, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 250, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 250, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 250, 13);  
box-shadow:4px 4px 4px 4px rgb(76, 250,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2387, 69.9368, 11.9172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 250, 13) }
```

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

```
.background{ background-color: rgb(76, 250,  
13) }
```

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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