

Converting Colors

XYZ(37.3560, 72.2866, 14.5308)

Have a look what the booklet for
XYZ(37.3560, 72.2866, 14.5308)
contains.

XYZ(37.3799, 72.2981, 14.5696)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.3799, 72.2981,
14.5696)**

Conversions

Conversions Part 1

Format	Color
Hex	2EFF2E
RGB	46, 255, 46
RGB Percent	18%, 100%, 18%
CMY	0.8196, 0.0000, 0.8196
CMYK	0.82, 0.00, 0.82, 0.00
HSL	120°, 100%, 59%
HSV	120°, 82%, 100%
XYZ	37.3799, 72.2981, 14.5696
YIQ	168.6830, -57.4750, -109.3070

Conversions

Conversions Part 2

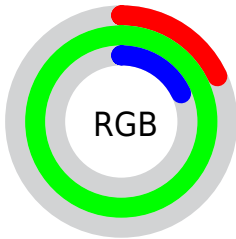
Format	Color
RYB	46, 255, 255
Decimal	3079982
CIELab	88.11, -82.43, 77.21
CIELCh	88, 112.941, 136.874
Yxy	72.2981, 0.3009, 0.5819
Android (android.graphics.Color)	4281270062 (0xFF2EFF2E)
YUV	168.6830, -60.4827, -107.5930
Hunter-Lab	85.0283, -70.3278, 49.3605

Details

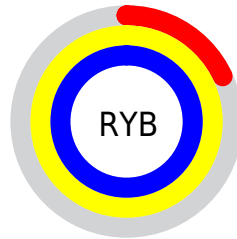
The XYZ color **37.3799, 72.2981, 14.5696** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **60.2655, 30.4335, 97.2975**, and the grayscale version is **37.8659, 39.8379, 43.3835**.

A 20% lighter version of the original color is **47.9893, 77.4930, 27.4673**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.1897, 71.7264, 12.6232**, and if you desaturate by 10%, it is **39.5492, 73.3401, 18.1190**.

Distribution



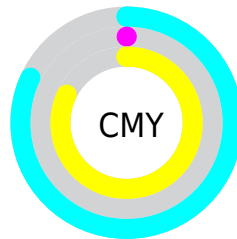
- Red (18%)
- Green (100%)
- Blue (18%)



- Red (18%)
- Yellow (100%)
- Blue (100%)



- Cyan (82%)
- Magenta (0%)
- Yellow (82%)
- Black (0%)



- Cyan (82%)
- Magenta (0%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3799, 72.2981, 14.5696 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 37.3799, 72.2981, 14.5696 by changing the saturation by 10% instead.

37.3799, 72.2981,
14.5696

37.3799, 72.2981,
14.5696

326.2794,
468.5785, 232.2965

25.6768, 53.4022,
8.3746

70.4667, 122.4803,
34.8279

16.7134, 38.1240,
4.2444

92.5812, 154.5353,
49.7283

10.1244, 26.0789,
1.7604

118.8968,
191.7456, 68.3676

5.5444, 16.8827,
0.4016

149.7788,
234.4954, 91.1643

2.6081, 10.1509,
0.0000

185.5928,
283.1692, 118.5371

0.9501, 5.4991,
0.0000

226.7040,

0.0000, 2.5430,

338.1514, 150.9043

0.0000

273.4777,
399.8264, 188.6846

■ 0.0000, 0.8981,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.3799, 72.2981,
14.5696

■ 37.3799, 72.2981,
14.5696

■ 36.1897, 71.7264,
12.6232


■ 39.5492, 73.3401,
18.1190


■ 35.7601, 71.5200,
11.9203


■ 42.8480, 74.9247,
23.5150


■ 47.4017, 77.1120,
30.9635


■ 53.3188, 79.9544,
40.6422

 60.6965, 83.4983,
52.7098

 69.6229, 87.7860,
67.3103

 80.1791, 92.8567,
84.5764

 92.4405, 98.7465,
104.6318

 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.



54.7306, 72.2981, 4.9593



37.3799, 72.2981, 14.5696



29.5621, 72.2981, 49.5685

Triad

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



37.3799, 72.2981, 14.5696



57.5954, 72.2981, 330.2072



131.2839, 72.2981, 42.9872

Complementary

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



37.3799, 72.2981, 14.5696



60.2655, 30.4335, 97.2975

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.



132.6408, 72.2981, 117.5151



37.3799, 72.2981, 14.5696



84.9041, 72.2981, 323.7083

Square

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



37.3799, 72.2981, 14.5696



39.0017, 72.2981, 244.5926



113.9657, 72.2981, 230.2503



110.6368, 72.2981, 12.4499

Rectangle

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



37.3799, 72.2981, 14.5696



29.0056, 72.2981, 97.8773



113.9657, 72.2981, 230.2503



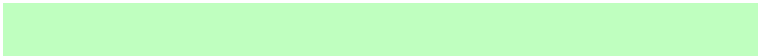
134.1700, 72.2981, 62.2419

Sweetspot

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



37.3801, 72.2982, 14.5707



66.7406, 86.4015, 62.5958



77.4932, 92.9773, 16.4470



13.6117, 18.1700, 12.2965



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.



37.3801, 72.2982, 14.5707



35.8518, 71.5641, 12.0705



42.4322, 74.3191, 41.1746



17.7717, 20.1682, 19.1007



18.6854, 37.3708, 6.2287



1.8193, 3.6387, 0.6065

Inverse Universe

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



60.2655, 30.4335, 97.2975



59.3435, 28.5900, 96.9887



47.7625, 25.4323, 31.4576



18.7927, 18.3004, 22.7916



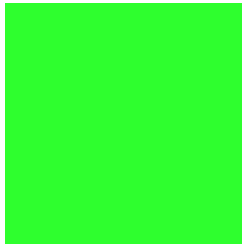
30.9793, 14.8810, 50.6690



3.0164, 1.4489, 4.9335

Previews

White Background



This preview shows how the XYZ color 37.3799, 72.2981, 14.5696 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 37.3799, 72.2981, 14.5696 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 37.3799, 72.2981, 14.5696

Background



This preview shows how black text looks on a background with the XYZ color 37.3799, 72.2981, 14.5696.

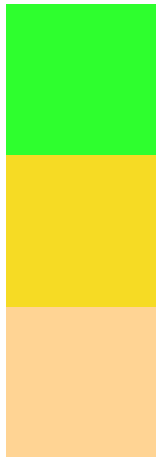


This preview shows how white text looks on a background with the XYZ color 37.3799, 72.2981,

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

37.3799, 72.2981, 14.5696

Protanopia

63.6560, 70.3832, 11.8994

Deuteranopia

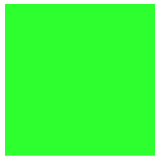
70.1288, 70.4851, 37.9258



Tritanopia

56.2193, 71.8533, 105.5137

Trichromacy



Original Color

37.3799, 72.2981, 14.5696



Protanomaly

46.4732, 66.7507, 12.4423



Deuteranomaly

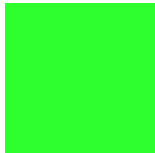
49.2031, 66.2182, 25.2270



Tritanomaly

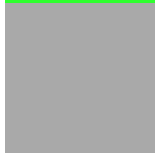
45.1035, 70.3357, 53.8468

Monochromacy



Original Color

37.3799, 72.2981, 14.5696



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

32.6045, 47.0489, 26.4317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3799, 72.2981, 14.5696 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(46, 255, 46)` looks like.

```
.text, #text, p{  
    color:rgb(46, 255, 46)  
}
```

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(46, 255, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 255, 46) }
```

Border

The CSS property to change the border of an element to XYZ 37.3799, 72.2981, 14.5696 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(46, 255, 46) }
```


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

```
.border{ border-color:rgb(46, 255, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 255, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 255, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 255, 46);  
box-shadow:4px 4px 4px 4px rgb(46, 255,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3799, 72.2981, 14.5696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 255, 46) }
```

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

```
.background{ background-color: rgb(46, 255,  
46) }
```

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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