

Converting Colors

XYZ(37.2155, 72.2191, 14.3040)

Have a look what the booklet for
XYZ(37.2155, 72.2191, 14.3040)
contains.

XYZ(37.1923, 72.2080, 14.2628)	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(37.1923, 72.2080,
14.2628)**

Conversions

Conversions Part 1

Format	Color
Hex	2BFF2B
RGB	43, 255, 43
RGB Percent	17%, 100%, 17%
CMY	0.8314, 0.0000, 0.8313
CMYK	0.83, 0.00, 0.83, 0.00
HSL	120°, 100%, 58%
HSV	120°, 83%, 100%
XYZ	37.1923, 72.2080, 14.2628
YIQ	167.4440, -58.3000, -110.8760

Conversions

Conversions Part 2

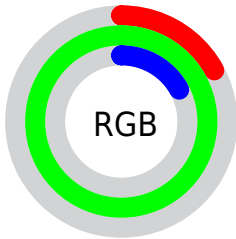
Format	Color
RYB	43, 255, 255
Decimal	2883371
CIELab	88.07, -82.86, 77.86
CIELCh	88, 113.696, 136.783
Yxy	72.2080, 0.3008, 0.5839
Android (android.graphics.Color)	4281073451 (0xFF2BFF2B)
YUV	167.4440, -61.3509, -109.1374
Hunter-Lab	84.9753, -70.5802, 49.5311

Details

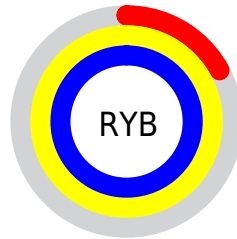
The XYZ color **37.1923, 72.2080, 14.2628** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **60.1521, 30.2070, 97.2583**, and the grayscale version is **37.2589, 39.1993, 42.6880**.

A 20% lighter version of the original color is **47.7262, 77.3700, 26.8865**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.1055, 71.6859, 12.4854**, and if you desaturate by 10%, it is **39.2380, 73.1906, 17.6100**.

Distribution



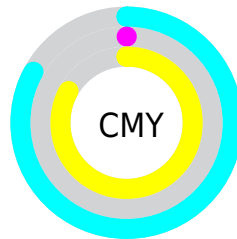
- Red (17%)
- Green (100%)
- Blue (17%)



- Red (17%)
- Yellow (100%)
- Blue (100%)



- Cyan (83%)
- Magenta (0%)
- Yellow (83%)
- Black (0%)





- Cyan (83%)
- Magenta (0%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1923, 72.2080, 14.2628 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 37.1923, 72.2080, 14.2628 by changing the saturation by 10% instead.


 37.1923, 72.2080,
14.2628


 37.1923, 72.2080,
14.2628


325.4834,
468.2653, 230.3446


 25.5308, 53.3286,
8.1628


 70.1804, 122.3522,
34.2784

 16.6038, 38.0652,
4.1101


 92.2376, 154.3858,
49.0312


 10.0459, 26.0333,
1.6859


 118.4908,
191.5729, 67.5052

 5.4919, 16.8485,
0.3511

 149.3053,
234.2980, 90.1192

 2.5764, 10.1266,
0.0000

 185.0464,
282.9453, 117.2916

 0.9339, 5.4829,
0.0000

226.0796,

 0.0000, 2.5333,

337.8994, 149.4409

0.0000

272.7701,
399.5446, 186.9858

■ 0.0000, 0.8933,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.1923, 72.2080,
14.2628

■ 37.1923, 72.2080,
14.2628

■ 36.1055, 71.6859,
12.4854


■ 39.2380, 73.1906,
17.6100


■ 35.7601, 71.5200,
11.9204


■ 42.3969, 74.7080,
22.7773


■ 46.7970, 76.8216,
29.9746

■ 52.5484, 79.5843,
39.3823

 59.7495, 83.0433,
51.1609

 68.4892, 87.2415,
65.4562

 78.8495, 92.2181,
82.4020

 90.9065, 98.0097,
102.1228

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.



54.6389, 72.2080, 4.7843



37.1923, 72.2080, 14.2628



29.3321, 72.2080, 49.1612

Triad

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



37.1923, 72.2080, 14.2628



57.3774, 72.2080, 332.3326



131.7009, 72.2080, 42.8814

Complementary

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



37.1923, 72.2080, 14.2628



60.1521, 30.2070, 97.2583

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.



133.0028, 72.2080, 117.9855



37.1923, 72.2080, 14.2628



84.8298, 72.2080, 326.0803

Square

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



37.1923, 72.2080, 14.2628



38.7393, 72.2080, 245.5822



114.1208, 72.2080, 231.7981



110.9286, 72.2080, 12.2577

Rectangle

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



37.1923, 72.2080, 14.2628



28.7587, 72.2080, 97.6279



114.1208, 72.2080, 231.7981



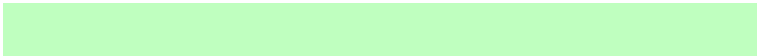
134.5902, 72.2080, 62.2586

Sweetspot

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



37.1925, 72.2081, 14.2639



66.7407, 86.4016, 62.5961



77.4361, 92.9544, 16.1462



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.



37.1925, 72.2081, 14.2639



35.7601, 71.5200, 11.9204



42.1811, 74.2035, 40.5334



17.7717, 20.1682, 19.1007



18.6854, 37.3708, 6.2288



1.8193, 3.6387, 0.6065

Inverse Universe

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



60.1521, 30.2070, 97.2583



59.2878, 28.4791, 96.9684



47.5287, 25.1577, 30.7847



18.7927, 18.3004, 22.7916



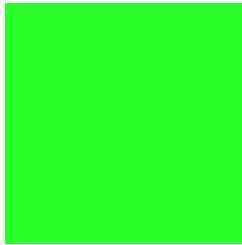
30.9792, 14.8810, 50.6682



3.0163, 1.4489, 4.9335

Previews

White Background



This preview shows how the XYZ color 37.1923, 72.2080, 14.2628 looks on a white background.

Color Contrast Check

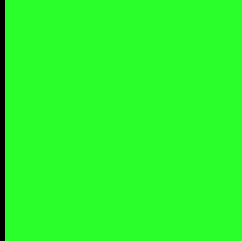
Large Text (above 18pt) WCAG AA × Fail

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 37.1923, 72.2080, 14.2628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

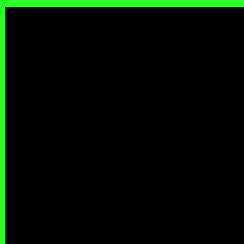
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.1923, 72.2080, 14.2628

Background



This preview shows how black text looks on a background with the XYZ color 37.1923, 72.2080, 14.2628.



This preview shows how white text looks on a background with the XYZ color 37.1923, 72.2080,

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

37.1923, 72.2080, 14.2628

Protanopia

63.6121, 70.3657, 11.6681

Deuteranopia

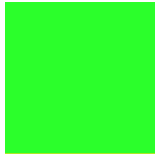
70.0499, 70.4536, 37.5106



Tritanopia

56.0799, 71.7814, 105.5072

Trichromacy



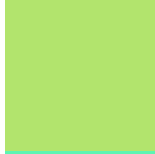
Original Color

37.1923, 72.2080, 14.2628



Protanomaly

46.2038, 66.6175, 12.1735



Deuteranomaly

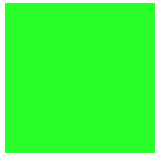
48.8638, 66.0559, 24.6427



Tritanomaly

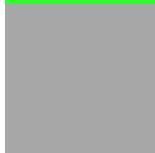
44.8002, 70.1910, 53.3065

Monochromacy



Original Color

37.1923, 72.2080, 14.2628



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

31.9623, 46.3896, 25.6818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1923, 72.2080, 14.2628 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(43, 255, 43)` looks like.

```
.text, #text, p{  
    color:rgb(43, 255, 43)  
}
```

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(43, 255, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 255, 43) }
```

Border

The CSS property to change the border of an element to XYZ 37.1923, 72.2080, 14.2628 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(43, 255, 43) }
```


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

```
.border{ border-color:rgb(43, 255, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 255, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 255, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 255, 43);  
box-shadow:4px 4px 4px 4px rgb(43, 255,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1923, 72.2080, 14.2628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 255, 43) }
```

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

```
.background{ background-color: rgb(43, 255,  
43) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor