

Converting Colors

XYZ(37.0642, 72.1465, 14.0532)

Have a look what the booklet for
XYZ(37.0642, 72.1465, 14.0532)
contains.

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Color

**XYZ(37.0747, 72.1515,
14.0704)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 29FF29 |
| RGB | 41, 255, 41 |
| RGB Percent | 16%, 100%, 16% |
| CMY | 0.8392, 0.0000, 0.8392 |
| CMYK | 0.84, 0.00, 0.84, 0.00 |
| HSL | 120°, 100%, 58% |
| HSV | 120°, 84%, 100% |
| XYZ | 37.0747, 72.1515, 14.0704 |
| YIQ | 166.6180, -58.8500, -111.9220 |

Conversions

Conversions Part 2

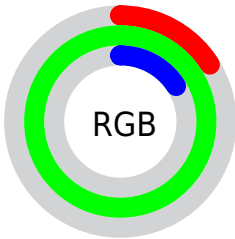
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 41, 255, 255 |
| Decimal | 2752297 |
| CIELab | 88.04, -83.13, 78.27 |
| CIELCh | 88, 114.175, 136.724 |
| Yxy | 72.1515, 0.3007, 0.5852 |
| Android (android.graphics.Color) | 4280942377 (0xFF29FF29) |
| YUV | 166.6180, -61.9297, -110.1670 |
| Hunter-Lab | 84.9420, -70.7386, 49.6382 |

Details

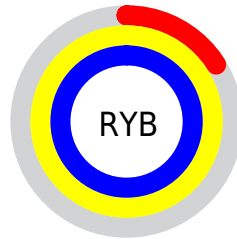
The XYZ color **37.0747, 72.1515, 14.0704** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **60.0812, 30.0652, 97.2348**, and the grayscale version is **36.8577, 38.7771, 42.2283**.

A 20% lighter version of the original color is **47.4671, 77.2487, 26.3186**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.0552, 71.6618, 12.4032**, and if you desaturate by 10%, it is **39.0392, 73.0951, 17.2848**.

Distribution



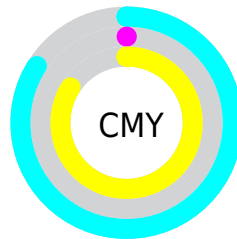
- Red (16%)
- Green (100%)
- Blue (16%)



- Red (16%)
- Yellow (100%)
- Blue (100%)



- Cyan (84%)
- Magenta (0%)
- Yellow (84%)
- Black (0%)




- Cyan (84%)
- Magenta (0%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0747, 72.1515, 14.0704 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 37.0747, 72.1515, 14.0704 by changing the saturation by 10% instead.


 37.0747, 72.1515,
14.0704


 37.0747, 72.1515,
14.0704


324.9837,
468.0687, 229.1120


 25.4393, 53.2824,
8.0303


 70.0007, 122.2719,
33.9328

 16.5351, 38.0283,
4.0263


 92.0221, 154.2920,
48.5922


 9.9968, 26.0046,
1.6398


 118.2361,
191.4646, 66.9619

 5.4591, 16.8271,
0.3190

 149.0081,
234.1741, 89.4603

 2.5566, 10.1113,
0.0000

 184.7036,
282.8049, 116.5059

 0.9239, 5.4728,
0.0000

225.6877,

 0.0000, 2.5273,

337.7413, 148.5174

0.0000

272.3260,
399.3678, 185.9132

0.0000, 0.8902,
0.0000

0.0000, 0.0000,
0.0000

37.0747, 72.1515,
14.0704

37.0747, 72.1515,
14.0704

36.0552, 71.6618,
12.4032


39.0392, 73.0951,
17.2848


35.7601, 71.5200,
11.9204


42.1059, 74.5682,
22.3013


46.4045, 76.6330,
29.3326

52.0463, 79.3431,
38.5610

 59.1304, 82.7460,
50.1483

 67.7465, 86.8847,
64.2412

 77.9769, 91.7989,
80.9746

 89.8982, 97.5253,
100.4736

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.



54.5822, 72.1515, 4.6757



37.0747, 72.1515, 14.0704



29.1875, 72.1515, 48.9029

Triad

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



37.0747, 72.1515, 14.0704



57.2393, 72.1515, 333.6816



131.9663, 72.1515, 42.8168

Complementary

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



37.0747, 72.1515, 14.0704



60.0812, 30.0652, 97.2348

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.



133.2326, 72.1515, 118.2883



37.0747, 72.1515, 14.0704



84.7821, 72.1515, 327.5907

Square

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



37.0747, 72.1515, 14.0704



38.5737, 72.1515, 246.2063



114.2186, 72.1515, 232.7865



111.1152, 72.1515, 12.1379

Rectangle

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



37.0747, 72.1515, 14.0704



28.6034, 72.1515, 97.4674



114.2186, 72.1515, 232.7865



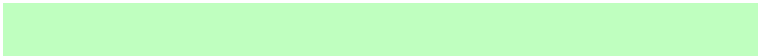
134.8575, 72.1515, 62.2722

Sweetspot

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



37.0749, 72.1516, 14.0715



66.7407, 86.4016, 62.5961



77.4003, 92.9401, 15.9577



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.



37.0749, 72.1516, 14.0715



35.7601, 71.5200, 11.9204



42.0198, 74.1296, 40.1109



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.



60.0812, 30.0652, 97.2348



59.2879, 28.4791, 96.9687



47.3783, 24.9841, 30.3425



18.7927, 18.3004, 22.7916



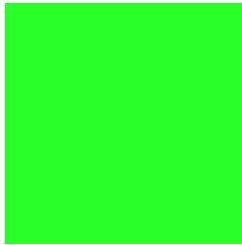
30.9792, 14.8810, 50.6683



3.0163, 1.4489, 4.9335

Previews

White Background



This preview shows how the XYZ color 37.0747, 72.1515, 14.0704 looks on a white background.

Color Contrast Check

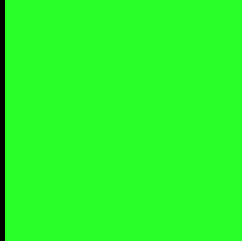
Large Text (above 18pt) WCAG AA × Fail

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 37.0747, 72.1515, 14.0704 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

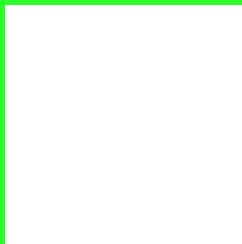
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.0747, 72.1515, 14.0704

Background



This preview shows how black text looks on a background with the XYZ color 37.0747, 72.1515, 14.0704.

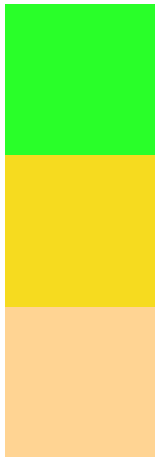


This preview shows how white text looks on a background with the XYZ color 37.0747, 72.1515,

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

37.0747, 72.1515, 14.0704

Protanopia

63.5849, 70.3548, 11.5249

Deuteranopia

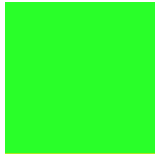
70.0499, 70.4536, 37.5106



Tritanopia

55.9419, 71.7103, 105.5008

Trichromacy



Original Color

37.0747, 72.1515, 14.0704



Protanomaly

45.9546, 66.4925, 12.0024



Deuteranomaly

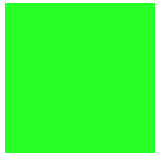
48.5816, 65.9166, 24.3500



Tritanomaly

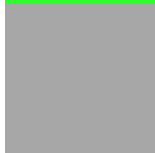
44.6009, 70.0998, 52.7749

Monochromacy



Original Color

37.0747, 72.1515, 14.0704



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

31.7598, 46.2923, 25.3505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0747, 72.1515, 14.0704 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(41, 255, 41)` looks like.

```
.text, #text, p{  
    color:rgb(41, 255, 41)  
}
```

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(41, 255, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 255, 41) }
```

Border

The CSS property to change the border of an element to XYZ 37.0747, 72.1515, 14.0704 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(41, 255, 41) }
```


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

```
.border{ border-color:rgb(41, 255, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 255, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 255, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 255, 41);  
box-shadow:4px 4px 4px 4px rgb(41, 255,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0747, 72.1515, 14.0704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 255, 41) }
```

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

```
.background{ background-color: rgb(41, 255,  
41) }
```

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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