

Converting Colors

XYZ(37.5161, 72.3749, 14.2799)

Have a look what the booklet for
XYZ(37.5161, 72.3749, 14.2799)
contains.

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Color

**XYZ(37.5114, 72.3725,
14.2777)**

Conversions

Conversions Part 1

Format	Color
Hex	32FF2B
RGB	50, 255, 43
RGB Percent	20%, 100%, 17%
CMY	0.8039, 0.0000, 0.8313
CMYK	0.80, 0.00, 0.83, 0.00
HSL	118°, 100%, 58%
HSV	118°, 83%, 100%
XYZ	37.5114, 72.3725, 14.2777
YIQ	169.5370, -54.1280, -109.3920

Conversions

Conversions Part 2

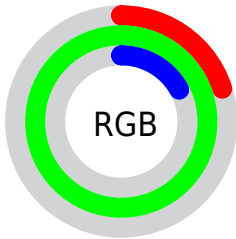
Format	Color
RYB	43, 255, 248
Decimal	3342123
CIELab	88.15, -82.16, 77.96
CIElCh	88, 113.255, 136.502
Yxy	72.3725, 0.3021, 0.5829
Android (android.graphics.Color)	4281532203 (0xFF32FF2B)
YUV	169.5370, -62.3827, -104.8339
Hunter-Lab	85.0720, -70.1688, 49.5997

Details

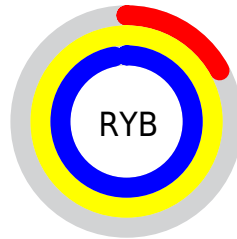
The XYZ color **37.5114, 72.3725, 14.2777** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **57.6298, 28.9072, 97.1500**, and the grayscale version is **38.2983, 40.2928, 43.8789**.

A 20% lighter version of the original color is **48.1932, 77.6107, 26.9083**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.2746, 71.7731, 12.4933**, and if you desaturate by 10%, it is **39.6941, 73.4258, 17.6315**.

Distribution



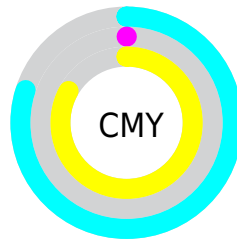
- Red (20%)
- Green (100%)
- Blue (17%)



- Red (17%)
- Yellow (100%)
- Blue (97%)



- Cyan (80%)
- Magenta (0%)
- Yellow (83%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5114, 72.3725, 14.2777 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 37.5114, 72.3725, 14.2777 by changing the saturation by 10% instead.


 37.5114, 72.3725,
14.2777


 37.5114, 72.3725,
14.2777


326.8366,
468.8371, 230.4398


 25.7792, 53.4630,
8.1731


 70.6674, 122.5860,
34.3051


 16.7903, 38.1725,
4.1166


 92.8218, 154.6588,
49.0651


 10.1795, 26.1166,
1.6895


 119.1811,
191.8881, 67.5472

 5.5813, 16.9109,
0.3535

 150.1104,
234.6584, 90.1701

 2.6304, 10.1710,
0.0000

 185.9753,
283.3541, 117.3523

 0.9615, 5.5125,
0.0000

227.1411,

 0.0000, 2.5510,

338.3595, 149.5122

0.0000

273.9730,
400.0590, 187.0686

■ 0.0000, 0.9021,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.5114, 72.3725,
14.2777

■ 37.5114, 72.3725,
14.2777

■ 36.2746, 71.7731,
12.4933

■ 39.6941, 73.4258,
17.6315

■ 35.8652, 71.5742,
11.9249

■ 42.9614, 74.9990,
22.8043

■ 47.4296, 77.1477,
30.0054

■ 53.2001, 79.9202,
39.4149

■ 60.3634, 83.3598,
51.1929

■ 69.0022, 87.5058,
65.4849

■ 79.1925, 92.3947,
82.4245

■ 91.0050, 98.0603,
102.1360

■ 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.



55.0338, 72.3725, 4.8662



37.5114, 72.3725, 14.2777



29.5667, 72.3725, 48.8710

Triad

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



37.5114, 72.3725, 14.2777



57.3375, 72.3725, 330.8849



131.7550, 72.3725, 43.5828

Complementary

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



37.5114, 72.3725, 14.2777



57.6298, 28.9072, 97.1500

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.



132.8476, 72.3725, 118.9785



37.5114, 72.3725, 14.2777



84.6615, 72.3725, 325.6467

Square

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



37.5114, 72.3725, 14.2777



38.8145, 72.3725, 243.9946



113.8876, 72.3725, 232.4391



111.2077, 72.3725, 12.5799

Rectangle

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



37.5114, 72.3725, 14.2777



28.9428, 72.3725, 96.9206



113.8876, 72.3725, 232.4391



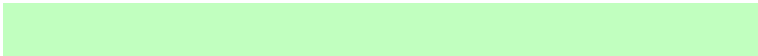
134.5658, 72.3725, 63.0940

Sweetspot

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



37.5116, 72.3726, 14.2788



67.2736, 86.6763, 62.6191



75.2233, 88.5286, 15.4096



13.7341, 18.2331, 12.3018



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.



37.5116, 72.3726, 14.2788



35.8652, 71.5742, 11.9249



41.6347, 73.9850, 37.6535



17.8269, 20.1967, 19.1031



18.7643, 37.4114, 6.2322



1.8456, 3.6522, 0.6077

Inverse Universe

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



57.6298, 28.9072, 97.1500



56.2647, 26.9204, 96.8384



48.1111, 25.3913, 33.8497



18.7300, 18.2681, 22.7889



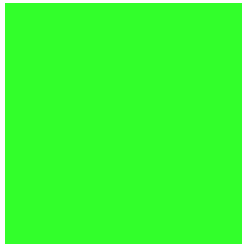
29.4259, 14.0801, 50.6014



2.8829, 1.3801, 4.9277

Previews

White Background



This preview shows how the XYZ color 37.5114, 72.3725, 14.2777 looks on a white background.

Color Contrast Check

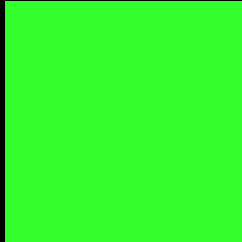
Large Text (above 18pt) WCAG AA × Fail

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 37.5114, 72.3725, 14.2777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

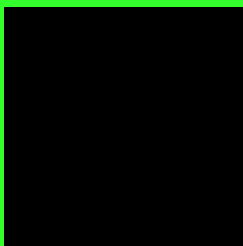
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

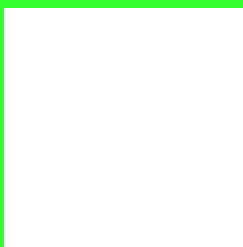
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.5114, 72.3725, 14.2777

Background



This preview shows how black text looks on a background with the XYZ color 37.5114, 72.3725, 14.2777.

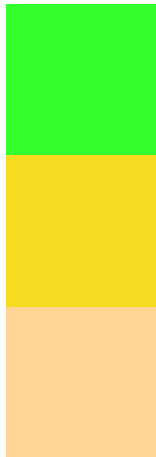


This preview shows how white text looks on a background with the XYZ color 37.5114, 72.3725,

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

37.5114, 72.3725, 14.2777

Protanopia

63.9638, 70.5470, 11.6845

Deuteranopia

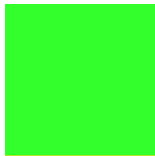
70.1288, 70.4851, 37.9258



Tritanopia

56.3602, 71.9259, 105.5203

Trichromacy



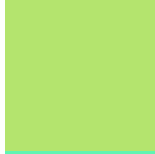
Original Color

37.5114, 72.3725, 14.2777



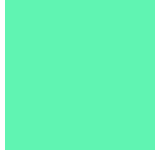
Protanomaly

46.8697, 66.9608, 12.2047



Deuteranomaly

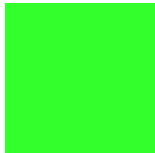
49.3803, 66.3159, 24.9495



Tritanomaly

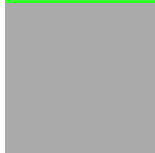
45.2104, 70.4025, 53.3257

Monochromacy



Original Color

37.5114, 72.3725, 14.2777



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

33.1289, 47.6641, 26.5228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5114, 72.3725, 14.2777 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(50, 255, 43)` looks like.

```
.text, #text, p{  
    color:rgb(50, 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(50, 255, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 255, 43) }
```

Border

The CSS property to change the border of an element to XYZ 37.5114, 72.3725, 14.2777 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(50, 255, 43) }
```


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

```
.border{ border-color:rgb(50, 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(50, 255, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 255, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 255, 43);  
box-shadow:4px 4px 4px 4px rgb(50, 255,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5114, 72.3725, 14.2777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 255, 43) }
```

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

```
.background{ background-color: rgb(50, 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](#).

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