

Converting Colors

XYZ(37.5209, 71.8672, 15.8972)

Have a look what the booklet for
XYZ(37.5209, 71.8672, 15.8972)
contains.

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Color

**XYZ(37.5209, 71.8672,
15.8972)**

Conversions

Conversions Part 1

Format	Color
Hex	32FE3A
RGB	50, 254, 58
RGB Percent	20%, 100%, 23%
CMY	0.8039, 0.0039, 0.7725
CMYK	0.80, 0.00, 0.77, 0.00
HSL	122°, 99%, 60%
HSV	122°, 80%, 100%
XYZ	37.5209, 71.8672, 15.8972
YIQ	170.6600, -58.6680, -104.2040

Conversions

Conversions Part 2

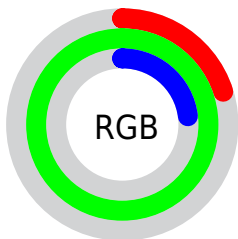
Format	Color
RYB	50, 246, 254
Decimal	3341882
CIELab	87.90, -81.08, 73.83
CIELCh	88, 109.657, 137.678
Yxy	71.8672, 0.2995, 0.5736
Android (android.graphics.Color)	4281531962 (0xFF32FE3A)
YUV	170.6600, -55.5414, -105.8188
Hunter-Lab	84.7745, -69.3520, 48.2239

Details

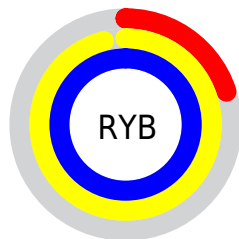
The XYZ color **37.5209, 71.8672, 15.8972** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **58.6493, 30.0065, 89.8864**, and the grayscale version is **38.8306, 40.8529, 44.4888**.

A 20% lighter version of the original color is **48.6055, 77.7574, 29.8997**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.1174, 71.2013, 13.3233**, and if you desaturate by 10%, it is **39.9151, 73.0140, 20.0544**.

Distribution



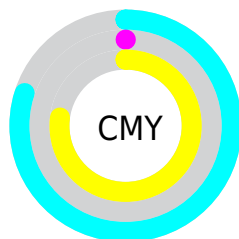
- Red (20%)
- Green (100%)
- Blue (23%)



- Red (20%)
- Yellow (96%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (77%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5209, 71.8672, 15.8972 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 37.5209, 71.8672, 15.8972 by changing the saturation by 10% instead.


 37.5209, 71.8672,
15.8972


 37.5209, 71.8672,
15.8972


326.8768,
467.0792, 240.5593


 25.7866, 53.0502,
9.2979


 70.6819, 121.8677,
37.1840


 16.7959, 37.8428,
4.8365


 92.8392, 153.8200,
52.7085

 10.1835, 25.8607,
2.0946


 119.2016,
190.9195, 72.0451

 5.5840, 16.7195,
0.6126

 150.1344,
233.5507, 95.6124

 2.6320, 10.0347,
0.0000

 186.0030,
282.0978, 123.8290

 0.9623, 5.4220,
0.0000

227.1726,

 0.0000, 2.4969,

336.9453, 157.1133

0.0000

274.0088,
398.4777, 195.8839

■ 0.0000, 0.8751,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.5209, 71.8672,
15.8972

■ 37.5209, 71.8672,
15.8972

■ 36.1174, 71.2013,
13.3233


■ 39.9151, 73.0140,
20.0544


■ 35.4979, 70.9083,
12.1021


■ 43.4320, 74.6994,
25.9883


■ 48.1888, 76.9821,
33.8697


■ 54.2865, 79.9111,
43.8481

 61.8161, 83.5302,
56.0584

 70.8601, 87.8796,
70.6243

 81.4952, 92.9961,
87.6605

 93.7926, 98.9143,
107.2741

 94.7332, 99.3665,
108.7944

Harmonies

Analogous

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



54.1765, 71.8672, 5.6656



37.5209, 71.8672, 15.8972



30.0797, 71.8672, 51.4162

Triad

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



37.5209, 71.8672, 15.8972



58.1495, 71.8672, 319.3220



128.1320, 71.8672, 42.2248

Complementary

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



37.5209, 71.8672, 15.8972



58.6493, 30.0065, 89.8864

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.



129.9862, 71.8672, 113.0983



37.5209, 71.8672, 15.8972



84.7043, 71.8672, 310.5308

Square

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



37.5209, 71.8672, 15.8972



39.7883, 71.8672, 239.8316



112.5257, 71.8672, 220.3539



107.9653, 71.8672, 12.8370

Rectangle

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



37.5209, 71.8672, 15.8972



29.6729, 71.8672, 99.0611



112.5257, 71.8672, 220.3539



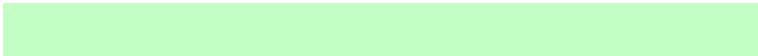
131.0736, 71.8672, 60.5810

Sweetspot

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



37.5226, 71.8702, 15.8988



67.9437, 86.9576, 65.5489



74.4489, 90.9281, 16.6446



13.8526, 18.2806, 12.9182



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.



37.5226, 71.8702, 15.8988



36.0123, 71.6357, 12.5820



42.9995, 74.0610, 44.7400



17.8005, 20.1797, 19.2522



18.7265, 37.3872, 6.4451



1.8330, 3.6441, 0.6786

Inverse Universe

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



58.6493, 30.0065, 89.8864



57.8918, 28.0979, 89.0710



47.1418, 25.4035, 29.2886



18.7601, 18.2873, 22.6195



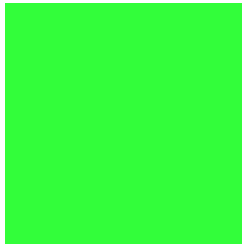
30.1735, 14.5587, 46.4257



2.9471, 1.4212, 4.5689

Previews

White Background



This preview shows how the XYZ color 37.5209, 71.8672, 15.8972 looks on a white background.

Color Contrast Check

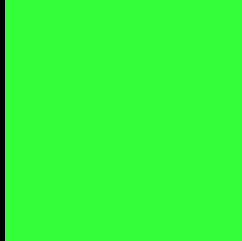
Large Text (above 18pt) WCAG AA × Fail

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 37.5209, 71.8672, 15.8972 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 37.5209, 71.8672, 15.8972

Background



This preview shows how black text looks on a background with the XYZ color 37.5209, 71.8672, 15.8972.

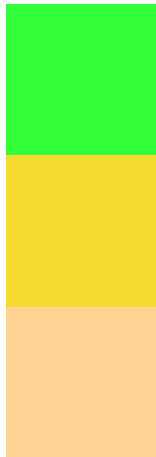


This preview shows how white text looks on a background with the XYZ color 37.5209, 71.8672,

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

37.5209, 71.8672, 15.8972

Protanopia

63.5421, 70.2973, 13.1254

Deuteranopia

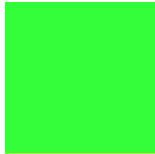
69.8007, 69.9551, 37.4276



Tritanopia

55.5167, 71.0625, 105.3981

Trichromacy



Original Color

37.5209, 71.8672, 15.8972



Protanomaly

46.9320, 66.9598, 13.6998



Deuteranomaly

49.3860, 65.8793, 26.3327



Tritanomaly

45.1120, 69.8472, 55.9040

Monochromacy



Original Color

37.5209, 71.8672, 15.8972



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

33.6683, 47.8970, 28.5896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5209, 71.8672, 15.8972 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, 254, 58)` looks like.

```
.text, #text, p{  
    color:rgb(50, 254, 58)  
}
```

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, 254, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 254, 58) }
```

Border

The CSS property to change the border of an element to XYZ 37.5209, 71.8672, 15.8972 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, 254, 58) }
```


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

```
.border{ border-color:rgb(50, 254, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 254, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 254, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 254, 58);  
box-shadow:4px 4px 4px 4px rgb(50, 254,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5209, 71.8672, 15.8972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 254, 58) }
```

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

```
.background{ background-color: rgb(50, 254,  
58) }
```

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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