

Converting Colors

XYZ(36.9959, 72.0274, 17.8400)

Have a look what the booklet for
XYZ(36.9959, 72.0274, 17.8400)
contains.

XYZ(37.0100, 72.0330, 17.9144)	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(37.0100, 72.0330,
17.9144)**

Conversions

Conversions Part 1

Format	Color
Hex	09FF47
RGB	9, 255, 71
RGB Percent	4%, 100%, 28%
CMY	0.9647, 0.0000, 0.7215
CMYK	0.96, 0.00, 0.72, 0.00
HSL	135°, 100%, 52%
HSV	135°, 96%, 100%
XYZ	37.0100, 72.0330, 17.9144
YIQ	160.4700, -87.5520, -109.3760

Conversions

Conversions Part 2

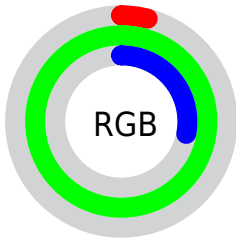
Format	Color
RYB	9, 205, 255
Decimal	655175
CIELab	87.98, -83.09, 69.69
CIELCh	88, 108.450, 140.013
Yxy	72.0330, 0.2915, 0.5674
Android (android.graphics.Color)	4278845255 (0xFF09FF47)
YUV	160.4700, -44.1087, -132.8392
Hunter-Lab	84.8723, -70.6885, 46.8960

Details

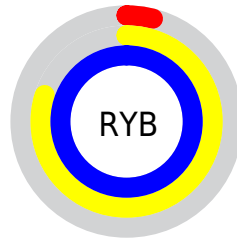
The XYZ color **37.0100, 72.0330, 17.9144** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **50.9633, 25.3057, 52.6500**, and the grayscale version is **33.8585, 35.6217, 38.7921**.

A 20% lighter version of the original color is **47.3302, 77.0269, 33.1420**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.6931, 71.8933, 16.8339**, and if you desaturate by 10%, it is **38.2854, 72.6083, 21.6877**.

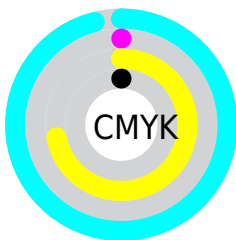
Distribution



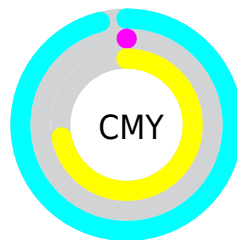
- Red (4%)
- Green (100%)
- Blue (28%)



- Red (4%)
- Yellow (80%)
- Blue (100%)



- Cyan (96%)
- Magenta (0%)
- Yellow (72%)
- Black (0%)



- Cyan (96%)
- Magenta (0%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0100, 72.0330, 17.9144 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 37.0100, 72.0330, 17.9144 by changing the saturation by 10% instead.

37.0100, 72.0330,
17.9144

37.0100, 72.0330,
17.9144

324.7086,
467.6565, 252.6080

25.3889, 53.1856,
10.7197

69.9019, 122.1034,
40.7034

16.4973, 37.9510,
5.7669

91.9034, 154.0953,
57.1348

9.9698, 25.9446,
2.6374

118.0959,
191.2375, 77.4822

5.4411, 16.7822,
0.9117

148.8445,
233.9143, 102.1641

2.5457, 10.0794,
0.0000

184.5148,
282.5102, 131.5991

0.9184, 5.4516,
0.0000

225.4720,

0.0000, 2.5146,

337.4096, 166.2057

0.0000

272.0815,
398.9969, 206.4025

■ 0.0000, 0.8839,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.0100, 72.0330,
17.9144

■ 37.0100, 72.0330,
17.9144


■ 36.6931, 71.8933,
16.8339


■ 38.2854, 72.6083,
21.6877


■ 40.3924, 73.5883,
26.5862


■ 43.4636, 75.0395,
32.6934


■ 47.6062, 77.0159,
40.0832

 52.9128, 79.5635,
48.8239

 59.4655, 82.7236,
58.9784

 67.3388, 86.5332,
70.6061

 76.6014, 91.0267,
83.7626

 87.3169, 96.2356,
98.5009

Harmonies

Analogous

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



52.8264, 72.0330, 6.3065



37.0100, 72.0330, 17.9144



30.2570, 72.0330, 56.2464

Triad

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



37.0100, 72.0330, 17.9144



60.2028, 72.0330, 318.6991



126.5839, 72.0330, 39.1093

Complementary

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



37.0100, 72.0330, 17.9144



50.9633, 25.3057, 52.6500

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.



130.0004, 72.0330, 105.7961



37.0100, 72.0330, 17.9144



86.9208, 72.0330, 302.5854

Square

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



37.0100, 72.0330, 17.9144



41.2368, 72.0330, 245.8372



114.0391, 72.0330, 210.0584



105.6254, 72.0330, 12.1133

Rectangle

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



37.0100, 72.0330, 17.9144



30.2593, 72.0330, 105.8729



114.0391, 72.0330, 210.0584



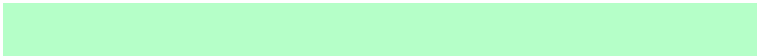
129.9945, 72.0330, 56.1960

Sweetspot

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



37.0103, 72.0331, 17.9156



65.2167, 85.5054, 67.5198



57.9297, 82.9432, 13.2150



13.2362, 17.9519, 13.3859



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.



37.0103, 72.0331, 17.9156



36.6931, 71.8933, 16.8339



45.5544, 75.4508, 62.9084



17.9594, 20.2433, 20.0890



19.2231, 37.5858, 9.0600



1.9134, 3.6763, 1.1016

Inverse Universe

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



50.9633, 25.3057, 52.6500



50.6142, 25.0097, 51.2938



42.4592, 21.9041, 7.8683



18.5856, 18.2175, 21.7007



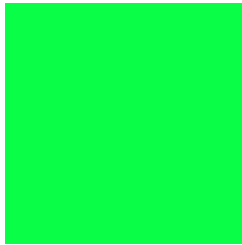
26.5103, 13.0934, 27.1353



2.6251, 1.2924, 2.8732

Previews

White Background



This preview shows how the XYZ color 37.0100, 72.0330, 17.9144 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 37.0100, 72.0330, 17.9144 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

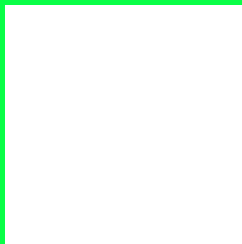
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.0100, 72.0330, 17.9144

Background



This preview shows how black text looks on a background with the XYZ color 37.0100, 72.0330, 17.9144.

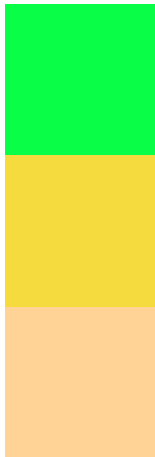


This preview shows how white text looks on a background with the XYZ color 37.0100, 72.0330,

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

37.0100, 72.0330, 17.9144

Protanopia

63.8572, 70.4233, 14.7849

Deuteranopia

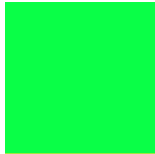
69.9591, 70.0185, 38.2614



Tritanopia

55.5366, 71.5014, 105.4818

Trichromacy



Original Color

37.0100, 72.0330, 17.9144



Protanomaly

44.1088, 65.4658, 15.3124



Deuteranomaly

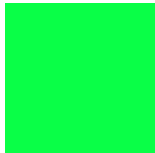
46.6462, 64.4256, 28.0660



Tritanomaly

44.4884, 69.9100, 58.7262

Monochromacy



Original Color

37.0100, 72.0330, 17.9144



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

29.2371, 43.5920, 27.2952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0100, 72.0330, 17.9144 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(9, 255, 71)` looks like.

```
.text, #text, p{  
    color:rgb(9, 255, 71)  
}
```

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(9, 255, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 255, 71) }
```

Border

The CSS property to change the border of an element to XYZ 37.0100, 72.0330, 17.9144 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(9, 255, 71) }
```


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

```
.border{ border-color:rgb(9, 255, 71) }
```

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

Here you see how a box with a 4 pixel rgb(9, 255, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 255, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 255, 71);  
box-shadow:4px 4px 4px 4px rgb(9, 255, 71)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.0100, 72.0330, 17.9144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 255, 71) }
```

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

```
.background{ background-color: rgb(9, 255,  
71) }
```

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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