

Converting Colors

XYZ(37.1424, 72.1156, 17.2727)

Have a look what the booklet for
XYZ(37.1424, 72.1156, 17.2727)
contains.

XYZ(37.1498, 72.1194, 17.2726)	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(37.1498, 72.1194,
17.2726)**

Conversions

Conversions Part 1

Format	Color
Hex	18FF43
RGB	24, 255, 67
RGB Percent	9%, 100%, 26%
CMY	0.9059, 0.0000, 0.7372
CMYK	0.91, 0.00, 0.74, 0.00
HSL	131°, 100%, 55%
HSV	131°, 91%, 100%
XYZ	37.1498, 72.1194, 17.2726
YIQ	164.4990, -77.3280, -107.4400

Conversions

Conversions Part 2

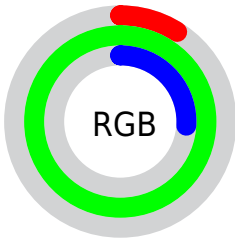
Format	Color
R_{YB}	24, 219, 255
Decimal	1638211
CIE _{Lab}	88.03, -82.81, 71.09
CIE _{LCh}	88, 109.140, 139.357
Yxy	72.1194, 0.2936, 0.5699
Android (android.graphics.Color)	4279828291 (0xFF18FF43)
YUV	164.4990, -48.0670, -123.2176
Hunter-Lab	84.9231, -70.5303, 47.3871




Details

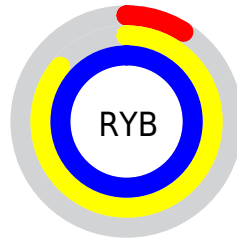
The XYZ color **37.1498, 72.1194, 17.2726** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark washed green. A complement of this color would be **53.4499, 26.6667, 64.6148**, and the grayscale version is **35.7741, 37.6372, 40.9869**.




A 20% lighter version of the original color is **47.5519, 77.1639, 32.1265**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.2827, 71.7291, 14.6724**, and if you desaturate by 10%, it is **38.8025, 72.8862, 21.2038**.

Distribution







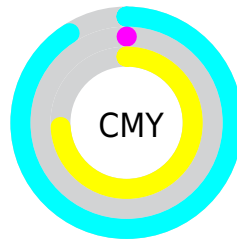
-  Red (9%)
-  Green (100%)
-  Blue (26%)






-  Red (9%)
-  Yellow (86%)
-  Blue (100%)



-  Cyan (91%)
-  Magenta (0%)
-  Yellow (74%)
-  Black (0%)




-  Cyan (91%)
-  Magenta (0%)
-  Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1498, 72.1194, 17.2726 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 37.1498, 72.1194, 17.2726 by changing the saturation by 10% instead.


 37.1498, 72.1194,
17.2726


 37.1498, 72.1194,
17.2726


325.3029,
467.9571, 248.8353


 25.4977, 53.2562,
10.2650


 70.1155, 122.2263,
39.5909


 16.5790, 38.0073,
5.4671


 92.1597, 154.2387,
55.7388


 10.0282, 25.9884,
2.4604

 118.3988,
191.4031, 75.7705

 5.4801, 16.8150,
0.8190

 149.1979,
234.1038, 100.1045

 2.5692, 10.1026,
0.0000

 184.9226,
282.7251, 129.1595

 0.9303, 5.4671,
0.0000

225.9380,

 0.0000, 2.5238,

337.6515, 163.3539

0.0000

272.6097,
399.2674, 203.1064

■ 0.0000, 0.8885,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.1498, 72.1194,
17.2726

■ 37.1498, 72.1194,
17.2726

■ 36.2827, 71.7291,
14.6724

■ 38.8025, 72.8862,
21.2038

■ 41.3960, 74.1096,
26.4536

■ 45.0515, 75.8501,
33.1275

■ 49.8711, 78.1584,
41.3194

■ 55.9449, 81.0791,
51.1148

■ 63.3539, 84.6522,
62.5932

■ 72.1720, 88.9143,
75.8285

■ 82.4680, 93.8993,
90.8904

94.3059, 99.6390,
107.8446

Harmonies

Analogous

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



53.2593, 72.1194, 6.0657



37.1498, 72.1194, 17.2726



30.1836, 72.1194, 54.9137

Triad

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



37.1498, 72.1194, 17.2726



59.7120, 72.1194, 320.4646



127.4477, 72.1194, 39.9507

Complementary

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



37.1498, 72.1194, 17.2726



53.4499, 26.6667, 64.6148

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.



130.4470, 72.1194, 108.0891



37.1498, 72.1194, 17.2726



86.5123, 72.1194, 306.2835

Square

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



37.1498, 72.1194, 17.2726



40.8402, 72.1194, 245.2520



113.9741, 72.1194, 213.7959



106.5923, 72.1194, 12.2466

Rectangle

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



37.1498, 72.1194, 17.2726



30.0707, 72.1194, 104.2139



113.9741, 72.1194, 213.7959



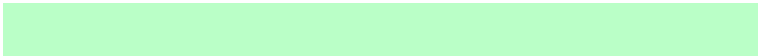
130.7469, 72.1194, 57.4492

Sweetspot

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



37.1501, 72.1196, 17.2738



66.3512, 86.0999, 67.1350



63.2642, 85.6799, 14.0678



13.5903, 18.1335, 13.4432



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.



37.1501, 72.1196, 17.2738



36.2827, 71.7291, 14.6724



44.5649, 75.0855, 56.3194



17.9097, 20.2234, 19.8273



18.9978, 37.4957, 7.8737



1.8849, 3.6649, 0.9517

Inverse Universe

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



53.4499, 26.6667, 64.6148



52.5671, 25.7908, 61.5776



43.7315, 22.7793, 13.4384



18.6391, 18.2389, 21.9825



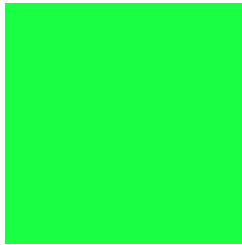
27.5196, 13.4971, 32.4501



2.7153, 1.3285, 3.3482

Previews

White Background



This preview shows how the XYZ color 37.1498, 72.1194, 17.2726 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 37.1498, 72.1194, 17.2726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

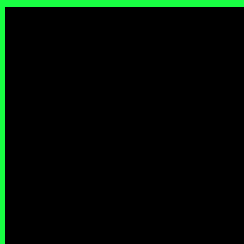
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.1498, 72.1194, 17.2726

Background



This preview shows how black text looks on a background with the XYZ color 37.1498, 72.1194, 17.2726.

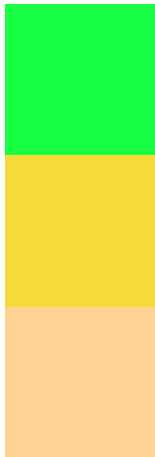


This preview shows how white text looks on a background with the XYZ color 37.1498, 72.1194,

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

37.1498, 72.1194, 17.2726

Protanopia

63.7514, 70.3810, 14.2278

Deuteranopia

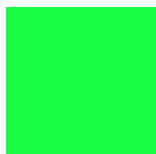
69.8796, 69.9866, 37.8427



Tritanopia

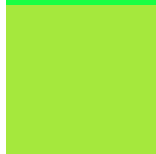
55.6703, 71.5703, 105.4881

Trichromacy



Original Color

37.1498, 72.1194, 17.2726



Protanomaly

45.2160, 66.0495, 14.7806



Deuteranomaly

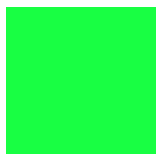
47.5934, 64.9280, 27.4767



Tritanomaly

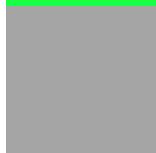
44.8876, 70.1282, 58.1840

Monochromacy



Original Color

37.1498, 72.1194, 17.2726



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

31.0960, 45.5506, 27.9221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1498, 72.1194, 17.2726 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(24, 255, 67)` looks like.

```
.text, #text, p{  
    color:rgb(24, 255, 67)  
}
```

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(24, 255, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 255, 67) }
```

Border

The CSS property to change the border of an element to XYZ 37.1498, 72.1194, 17.2726 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(24, 255, 67) }
```


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

```
.border{ border-color:rgb(24, 255, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 255, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 255, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 255, 67);  
box-shadow:4px 4px 4px 4px rgb(24, 255,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1498, 72.1194, 17.2726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 255, 67) }
```

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

```
.background{ background-color: rgb(24, 255,  
67) }
```

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