

Converting Colors

XYZ(35.7864, 71.0520, 12.3752)

Have a look what the booklet for
XYZ(35.7864, 71.0520, 12.3752)
contains.

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Color

**XYZ(35.7742, 71.0433,
12.3575)**

Conversions

Conversions Part 1

Format	Color
Hex	11FE11
RGB	17, 254, 17
RGB Percent	7%, 100%, 7%
CMY	0.9333, 0.0039, 0.9332
CMYK	0.93, 0.00, 0.93, 0.00
HSL	120°, 99%, 53%
HSV	120°, 93%, 100%
XYZ	35.7742, 71.0433, 12.3575
YIQ	156.1190, -65.1750, -123.9510

Conversions

Conversions Part 2

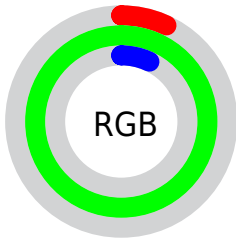
Format	Color
R _Y B	17, 254, 254
Decimal	1179153
CIE Lab	87.51, -85.14, 81.63
CIE LCh	88, 117.949, 136.207
Yxy	71.0433, 0.3002, 0.5961
Android (android.graphics.Color)	4279369233 (0xFF11FE11)
YUV	156.1190, -68.5857, -122.0074
Hunter-Lab	84.2872, -71.7414, 50.3084

Details

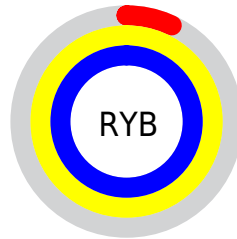
The XYZ color **35.7742, 71.0433, 12.3575** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark washed green. A complement of this color would be **58.9616, 28.6272, 96.1683**, and the grayscale version is **31.9739, 33.6390, 36.6329**.

A 20% lighter version of the original color is **45.8974, 76.5021, 23.4137**, and **19.5151, 39.0302, 6.5050** is the 20% darker color. If you saturate the color by 10%, you get **35.4434, 70.8866, 11.8151**, and if you desaturate by 10%, it is **36.8402, 71.5575, 14.1008**.

Distribution



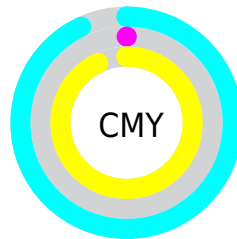
- Red (7%)
- Green (100%)
- Blue (7%)



- Red (7%)
- Yellow (100%)
- Blue (100%)



- Cyan (93%)
- Magenta (0%)
- Yellow (93%)
- Black (0%)





- Cyan (93%)
- Magenta (0%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7742, 71.0433, 12.3575 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 35.7742, 71.0433, 12.3575 by changing the saturation by 10% instead.


 35.7742, 71.0433,
12.3575


 35.7742, 71.0433,
12.3575


319.4210,
464.2048, 217.8191


 24.4292, 52.3775,
6.8622


 68.0096, 120.6954,
30.8186

 15.7787, 37.3061,
3.2989


 89.6306, 152.4505,
44.6215


 9.4576, 25.4446,
1.2492


 115.4077,
189.3375, 62.0307

 5.1003, 16.4086,
0.0196

 145.7061,
231.7408, 83.4646

 2.3416, 9.8137,
0.0000

 180.8913,
280.0448, 109.3419

 0.8158, 5.2756,
0.0000

 221.3286,

 0.0000, 2.4099,

334.6338, 140.0810

0.0000

267.3834,
395.8924, 176.1006

■ 0.0000, 0.8310,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.7742, 71.0433,
12.3575

■ 35.7742, 71.0433,
12.3575


■ 35.4434, 70.8866,
11.8151


■ 36.8402, 71.5575,
14.1008


■ 38.8514, 72.5236,
17.3912


■ 41.9637, 74.0185,
22.4824


■ 46.3037, 76.1033,
29.5816

 51.9810, 78.8304,
38.8680

 59.0929, 82.2466,
50.5008

 67.7279, 86.3944,
64.6244

 77.9671, 91.3128,
81.3717

 89.8859, 97.0381,
100.8662

Harmonies

Analogous

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



53.6525, 71.0433, 3.7719



35.7742, 71.0433, 12.3575



27.7248, 71.0433, 46.2469

Triad

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



35.7742, 71.0433, 12.3575



55.5445, 71.0433, 342.3743



133.1111, 71.0433, 41.9560

Complementary

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



35.7742, 71.0433, 12.3575



58.9616, 28.6272, 96.1683

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.



134.0315, 71.0433, 119.9848



35.7742, 71.0433, 12.3575



83.6026, 71.0433, 337.8843

Square

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



35.7742, 71.0433, 12.3575



36.8293, 71.0433, 249.2905



114.0298, 71.0433, 239.4509



111.7816, 71.0433, 11.0601

Rectangle

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



35.7742, 71.0433, 12.3575



27.0507, 71.0433, 95.1518



114.0298, 71.0433, 239.4509



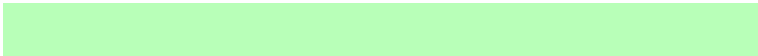
135.9840, 71.0433, 61.9268

Sweetspot

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



35.7758, 71.0463, 12.3591



64.0420, 85.1052, 58.1833



76.4192, 91.9987, 14.2602



12.9300, 17.8425, 11.1817



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.



35.7758, 71.0463, 12.3591



35.7601, 71.5201, 11.9207



40.0832, 72.7692, 35.0413



17.7717, 20.1682, 19.1009



18.6855, 37.3708, 6.2290



1.8194, 3.6387, 0.6066

Inverse Universe

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



58.9616, 28.6272, 96.1683



59.2860, 28.4784, 96.9589



45.4839, 23.2362, 25.1958



18.7927, 18.3004, 22.7914



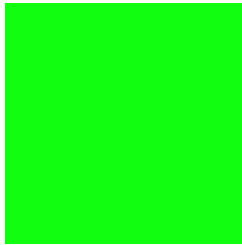
30.9782, 14.8806, 50.6633



3.0163, 1.4489, 4.9330

Previews

White Background



This preview shows how the XYZ color 35.7742, 71.0433, 12.3575 looks on a white background.

Color Contrast Check

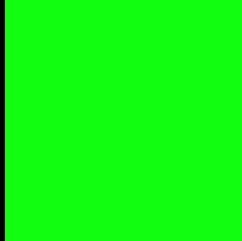
Large Text (above 18pt) WCAG AA × Fail

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 35.7742, 71.0433, 12.3575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

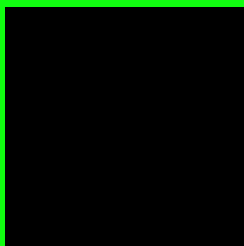
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.7742, 71.0433, 12.3575

Background



This preview shows how black text looks on a background with the XYZ color 35.7742, 71.0433, 12.3575.



This preview shows how white text looks on a background with the XYZ color 35.7742, 71.0433,

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

35.7742, 71.0433, 12.3575

Protanopia

62.7276, 69.5553, 10.1194

Deuteranopia

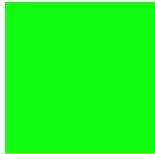
69.0202, 69.2466, 34.5391



Tritanopia

54.3521, 70.4621, 105.3436

Trichromacy



Original Color

35.7742, 71.0433, 12.3575



Protanomaly

43.5091, 64.8464, 10.3957



Deuteranomaly

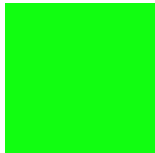
45.4104, 63.5438, 20.6983



Tritanomaly

42.0990, 68.4648, 48.0420

Monochromacy



Original Color

35.7742, 71.0433, 12.3575



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

27.2251, 41.7225, 19.9829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7742, 71.0433, 12.3575 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(17, 254, 17)` looks like.

```
.text, #text, p{  
    color:rgb(17, 254, 17)  
}
```

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(17, 254, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 254, 17) }
```

Border

The CSS property to change the border of an element to XYZ 35.7742, 71.0433, 12.3575 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(17, 254, 17) }
```


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

```
.border{ border-color:rgb(17, 254, 17) }
```

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

Here you see how a box with a 4 pixel rgb(17, 254, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 254, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 254, 17);  
box-shadow:4px 4px 4px 4px rgb(17, 254,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7742, 71.0433, 12.3575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 254, 17) }
```

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

```
.background{ background-color: rgb(17, 254,  
17) }
```

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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