

Converting Colors

XYZ(37.0510, 70.9859, 11.7489)

Have a look what the booklet for
XYZ(37.0510, 70.9859, 11.7489)
contains.

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Color

**XYZ(36.9248, 70.7108,
11.7024)**

Conversions

Conversions Part 1

Format	Color
Hex	40FC00
RGB	64, 252, 0
RGB Percent	25%, 99%, 0%
CMY	0.7490, 0.0117, 0.9999
CMYK	0.75, 0.00, 1.00, 0.01
HSL	105°, 100%, 49%
HSV	105°, 100%, 99%
XYZ	36.9248, 70.7108, 11.7024
YIQ	167.0600, -31.1560, -118.2280

Conversions

Conversions Part 2

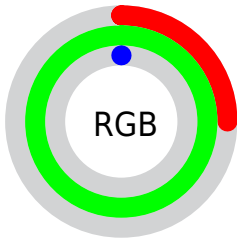
Format	Color
RYB	0, 252, 188
Decimal	4258816
CIELab	87.34, -80.61, 83.09
CIELCh	87, 115.770, 134.134
Yxy	70.7108, 0.3094, 0.5925
Android (android.graphics.Color)	4282448896 (0xFF40FC00)
YUV	167.0600, -82.3606, -90.3836
Hunter-Lab	84.0897, -68.7755, 50.6117

Details

The XYZ color **36.9248, 70.7108, 11.7024** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **38.3211, 17.7260, 93.5010**, and the grayscale version is **37.1636, 39.0989, 42.5788**.

A 20% lighter version of the original color is **48.6763, 77.9554, 22.6066**, and **19.2918, 38.5836, 6.4306** is the 20% darker color. If you saturate the color by 10%, you get **36.9244, 70.7127, 11.7028**, and if you desaturate by 10%, it is **38.5399, 71.5250, 12.7077**.

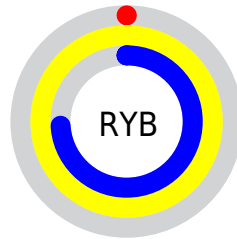
Distribution



Red (25%)

Green (99%)

Blue (0%)



Red (0%)

Yellow (99%)

Blue (74%)

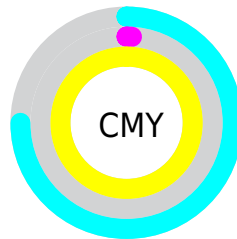


Cyan (75%)

Magenta (0%)

Yellow (100%)

Black (1%)



Cyan (75%)


Magenta (1%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9248, 70.7108, 11.7024 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 36.9248, 70.7108, 11.7024 by changing the saturation by 10% instead.


 36.9248, 70.7108,
11.7024


 36.9248, 70.7108,
11.7024


324.3460,
463.0418, 213.3325


 25.3227, 52.1062,
6.4213


 69.7717, 120.2218,
29.6082


 16.4476, 37.0898,
3.0300


 91.7472, 151.8971,
43.0699


 9.9343, 25.2770,
1.1100


 117.9112,
188.6981, 60.0956

 5.4174, 16.2835,
0.0000

 148.6290,
231.0091, 81.1038

 2.5314, 9.7250,
0.0000

 184.2661,
279.2146, 106.5131

 0.9111, 5.2170,
0.0000

 225.1877,

 0.0000, 2.3752,

333.6989, 136.7419

0.0000

271.7592,
394.8465, 172.2089

■ 0.0000, 0.8131,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.9248, 70.7108,
11.7024

■ 36.9248, 70.7108,
11.7024

■ 36.9244, 70.7127,
11.7028

■ 38.5399, 71.5250,
12.7077

■ 40.8321, 72.6596,
14.9401

■ 43.9066, 74.1629,
18.7726

■ 47.8361, 76.0675,
24.4320

■ 52.6841, 78.4019,
32.1085

■ 58.5078, 81.1918,
41.9686

■ 65.3590, 84.4610,
54.1612

■ 73.2862, 88.2313,
68.8225

■ 82.3344, 92.5233,
86.0779

Harmonies

Analogous

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



55.2077, 70.7108, 3.8978



36.9248, 70.7108, 11.7024



28.3544, 70.7108, 42.8196

Triad

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



36.9248, 70.7108, 11.7024



53.8762, 70.7108, 330.3629



131.9061, 70.7108, 45.8529

Complementary

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



36.9248, 70.7108, 11.7024



38.3211, 17.7260, 93.5010

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.



131.2643, 70.7108, 125.7407



36.9248, 70.7108, 11.7024



80.8334, 70.7108, 333.4739

Square

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



36.9248, 70.7108, 11.7024



36.1783, 70.7108, 235.9036



110.6992, 70.7108, 242.7376



112.2692, 70.7108, 12.6403

Rectangle

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



36.9248, 70.7108, 11.7024



27.3209, 70.7108, 88.3246



110.6992, 70.7108, 242.7376



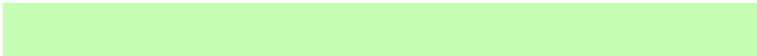
134.1921, 70.7108, 66.6728

Sweetspot

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



36.9264, 70.7138, 11.7040



67.1138, 86.7494, 55.5902



57.4567, 55.3163, 7.6499



13.7017, 18.2517, 10.7038



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.



36.9264, 70.7138, 11.7040



37.9223, 72.6347, 12.0212



35.5973, 69.9379, 15.7378



17.4303, 19.5221, 18.3119



19.3475, 36.8923, 6.1012



1.8853, 3.4650, 0.5694

Inverse Universe

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



38.3211, 17.7260, 93.5010



39.3520, 18.2016, 96.0469



49.7963, 24.5569, 52.6917



17.5376, 17.2898, 21.7982



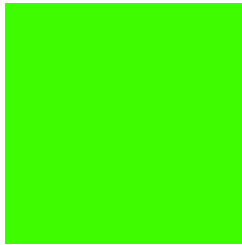
20.1029, 9.3061, 48.7103



1.9593, 0.9122, 4.5160

Previews

White Background



This preview shows how the XYZ color 36.9248, 70.7108, 11.7024 looks on a white background.

Color Contrast Check

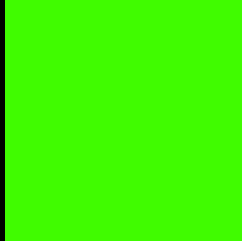
Large Text (above 18pt) WCAG AA × Fail

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 36.9248, 70.7108, 11.7024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

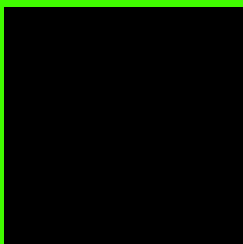
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

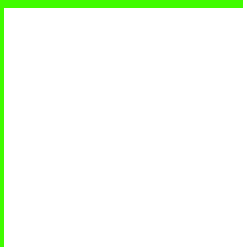
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.9248, 70.7108, 11.7024

Background



This preview shows how black text looks on a background with the XYZ color 36.9248, 70.7108, 11.7024.



This preview shows how white text looks on a background with the XYZ color 36.9248, 70.7108,

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

36.9248, 70.7108, 11.7024

Protanopia

62.1211, 68.8588, 10.0169

Deuteranopia

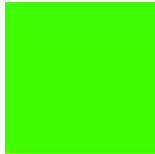
68.6279, 68.6959, 33.6873



Tritanopia

54.8982, 69.9306, 103.5330

Trichromacy



Original Color

36.9248, 70.7108, 11.7024



Protanomaly

46.8872, 66.1773, 10.3023



Deuteranomaly

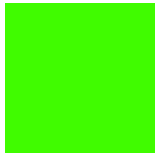
48.9364, 64.9941, 19.1984



Tritanomaly

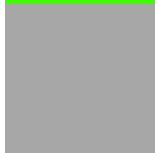
43.1438, 68.1931, 44.6069

Monochromacy



Original Color

36.9248, 70.7108, 11.7024



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

32.0015, 46.1746, 20.8616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9248, 70.7108, 11.7024 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(64, 252, 0)` looks like.

```
.text, #text, p{  
    color:rgb(64, 252, 0)  
}
```

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(64, 252, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 252, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.9248, 70.7108, 11.7024 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(64, 252, 0) }
```


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

```
.border{ border-color:rgb(64, 252, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 252, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 252, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 252, 0);  
box-shadow:4px 4px 4px 4px rgb(64, 252, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.9248, 70.7108, 11.7024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 252, 0) }
```

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

```
.background{ background-color: rgb(64, 252,  
0) }
```

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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