

Converting Colors

XYZ(37.8528, 69.0636, 11.3379)

Have a look what the booklet for
XYZ(37.8528, 69.0636, 11.3379)
contains.

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Color

**XYZ(37.7750, 68.8487,
11.2982)**

Conversions

Conversions Part 1

Format	Color
Hex	5DF700
RGB	93, 247, 0
RGB Percent	36%, 97%, 0%
CMY	0.6353, 0.0314, 0.9999
CMYK	0.62, 0.00, 1.00, 0.03
HSL	97°, 100%, 48%
HSV	97°, 100%, 97%
XYZ	37.7750, 68.8487, 11.2982
YIQ	172.7960, -12.4970, -109.4650

Conversions

Conversions Part 2

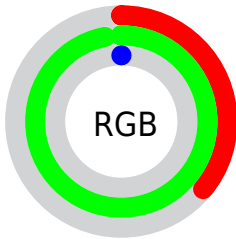
Format	Color
RYB	0, 247, 154
Decimal	6158080
CIELab	86.43, -73.89, 82.62
CIELCh	86, 110.841, 131.808
Yxy	68.8487, 0.3203, 0.5838
Android (android.graphics.Color)	4284348160 (0xFF5DF700)
YUV	172.7960, -85.1884, -69.9811
Hunter-Lab	82.9751, -63.9431, 50.0094

Details

The XYZ color **37.7750, 68.8487, 11.2982** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated green. A complement of this color would be **30.1240, 13.5906, 89.0350**, and the grayscale version is **40.0453, 42.1308, 45.8805**.

A 20% lighter version of the original color is **52.1455, 79.7489, 22.5423**, and **18.1976, 36.3952, 6.0659** is the 20% darker color. If you saturate the color by 10%, you get **37.7740, 68.8503, 11.2985**, and if you desaturate by 10%, it is **39.6683, 69.8069, 12.2883**.

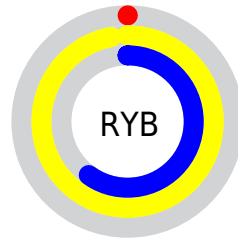
Distribution



Red (36%)

Green (97%)

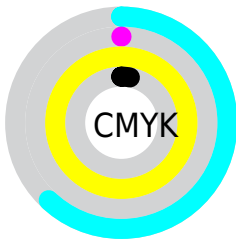
Blue (0%)



Red (0%)

Yellow (97%)

Blue (60%)

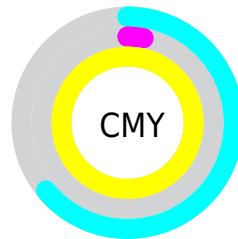


Cyan (62%)

Magenta (0%)

Yellow (100%)

Black (3%)



Cyan (64%)


Magenta (3%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7750, 68.8487, 11.2982 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 37.7750, 68.8487, 11.2982 by changing the saturation by 10% instead.


 37.7750, 68.8487,
11.2982


 37.7750, 68.8487,
11.2982


327.9514,
456.4972, 210.5124


 25.9845, 50.5885,
6.1511


 71.0693, 117.5654,
28.8553

 16.9447, 35.8812,
2.8669


 93.3038, 148.7908,
42.1024


 10.2901, 24.3425,
1.0271


 119.7503,
185.1066, 58.8866

 5.6555, 15.5879,
0.0000

 150.7743,
226.8974, 79.6264

 2.6754, 9.2330,
0.0000

 186.7410,
274.5474, 104.7403

 0.9845, 4.8935,
0.0000

 228.0159,

 0.0000, 2.1849,

328.4411, 134.6469

0.0000

274.9642,
388.9629, 169.7648

■ 0.0000, 0.7117,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.7750, 68.8487,
11.2982

■ 37.7750, 68.8487,
11.2982

■ 37.7740, 68.8503,
11.2985

■ 39.6683, 69.8069,
12.2883

■ 42.1100, 71.0205,
14.4433

■ 45.1852, 72.5276,
18.1208

■ 48.9497, 74.3523,
23.5356

■ 53.4518, 76.5156,
30.8683

■ 58.7348, 79.0363,
40.2766

■ 64.8382, 81.9317,
51.9020

■ 71.7985, 85.2179,
65.8737

■ 79.6500, 88.9098,
82.3107

Harmonies

Analogous

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



55.8625, 68.8487, 4.2996



37.7750, 68.8487, 11.2982



28.8959, 68.8487, 38.9676

Triad

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



37.7750, 68.8487, 11.2982



51.2259, 68.8487, 304.9075



126.5079, 68.8487, 49.6317

Complementary

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



37.7750, 68.8487, 11.2982



30.1240, 13.5906, 89.0350

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.



124.3160, 68.8487, 128.2318



37.7750, 68.8487, 11.2982



76.0510, 68.8487, 315.3925

Square

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



37.7750, 68.8487, 11.2982



35.1475, 68.8487, 213.9214



104.0997, 68.8487, 237.0731



109.4790, 68.8487, 14.7477

Rectangle

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



37.7750, 68.8487, 11.2982



27.5045, 68.8487, 79.5062



104.0997, 68.8487, 237.0731



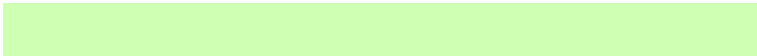
128.0949, 68.8487, 70.5992

Sweetspot

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



37.7766, 68.8516, 11.2997



69.6611, 88.0625, 55.7094



49.6421, 42.3401, 5.5571



14.2941, 18.5571, 10.7316



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.



37.7766, 68.8516, 11.2997



40.5824, 74.0061, 12.1457



33.4826, 66.6126, 12.2455



16.8716, 18.7759, 17.5324



20.1214, 36.4857, 5.9819



1.8786, 3.2635, 0.5309

Inverse Universe

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



30.1240, 13.5906, 89.0350



32.3508, 14.5923, 95.7193



51.0398, 24.8478, 68.5673



16.5740, 16.4385, 20.8420



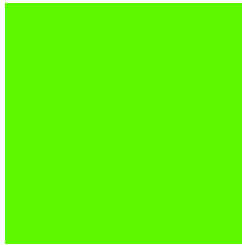
16.0920, 7.2700, 47.0931



1.5281, 0.6976, 4.1443

Previews

White Background



This preview shows how the XYZ color 37.7750, 68.8487, 11.2982 looks on a white background.

Color Contrast Check

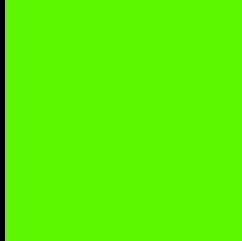
Large Text (above 18pt) WCAG AA × Fail

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 37.7750, 68.8487, 11.2982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

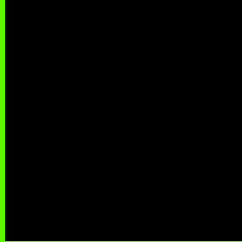
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7750, 68.8487, 11.2982

Background



This preview shows how black text looks on a background with the XYZ color 37.7750, 68.8487, 11.2982.



This preview shows how white text looks on a background with the XYZ color 37.7750, 68.8487,

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

37.7750, 68.8487, 11.2982

Protanopia

60.9184, 67.4781, 9.8138

Deuteranopia

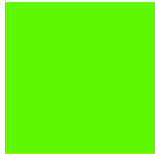
67.4491, 67.4442, 29.8851



Tritanopia

55.2318, 68.5218, 99.1220

Trichromacy



Original Color

37.7750, 68.8487, 11.2982



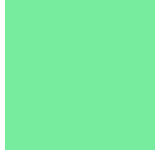
Protanomaly

48.2081, 65.6295, 10.1269



Deuteranomaly

50.3714, 64.5724, 17.5934



Tritanomaly

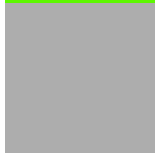
43.9127, 66.4526, 42.8599

Monochromacy



Original Color

37.7750, 68.8487, 11.2982



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

34.9703, 48.3636, 22.2438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7750, 68.8487, 11.2982 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(93, 247, 0)` looks like.

```
.text, #text, p{  
    color:rgb(93, 247, 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(93, 247, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 247, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.7750, 68.8487, 11.2982 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(93, 247, 0) }
```


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

```
.border{ border-color:rgb(93, 247, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 247, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 247, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 247, 0);  
box-shadow:4px 4px 4px 4px rgb(93, 247, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.7750, 68.8487, 11.2982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 247, 0) }
```

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

```
.background{ background-color: rgb(93, 247,  
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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