

Converting Colors

XYZ(37.5451, 69.6653, 29.2391)

Have a look what the booklet for
XYZ(37.5451, 69.6653, 29.2391)
contains.

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Color

**XYZ(37.5758, 69.7273,
29.2476)**

Conversions

Conversions Part 1

Format	Color
Hex	00FA78
RGB	0, 250, 120
RGB Percent	0%, 98%, 47%
CMY	0.9999, 0.0196, 0.5294
CMYK	1.00, 0.00, 0.52, 0.02
HSL	149°, 100%, 49%
HSV	149°, 100%, 98%
XYZ	37.5758, 69.7273, 29.2476
YIQ	160.4300, -107.2700, -93.4300

Conversions

Conversions Part 2

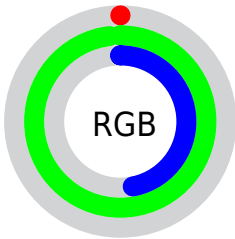
Format	Color
RYB	0, 169, 250
Decimal	64120
CIELab	86.86, -76.41, 48.31
CIELCh	87, 90.397, 147.699
Yxy	69.7273, 0.2752, 0.5106
Android (android.graphics.Color)	4278254200 (0xFF00FA78)
YUV	160.4300, -19.9320, -140.6971
Hunter-Lab	83.5029, -65.8061, 37.6852

Details

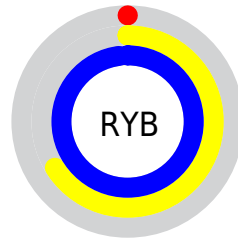
The XYZ color **37.5758, 69.7273, 29.2476** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated spring green. A complement of this color would be **43.4564, 21.9373, 23.0688**, and the grayscale version is **33.7402, 35.4973, 38.6566**.

A 20% lighter version of the original color is **50.5681, 78.2600, 52.9979**, and **19.8628, 38.1045, 11.6182** is the 20% darker color. If you saturate the color by 10%, you get **37.5768, 69.7298, 29.2466**, and if you desaturate by 10%, it is **38.8222, 70.2743, 33.7101**.

Distribution



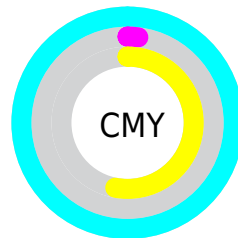
- Red (0%)
- Green (98%)
- Blue (47%)



- Red (0%)
- Yellow (66%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)
- Black (2%)




- Cyan (100%)
- Magenta (2%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5758, 69.7273, 29.2476 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 37.5758, 69.7273, 29.2476 by changing the saturation by 10% instead.


 37.5758, 69.7273,
29.2476


 37.5758, 69.7273,
29.2476


327.1092,
459.5919, 312.4788


 25.8293, 51.3042,
19.0210


 70.7656, 118.8198,
59.5171


 16.8280, 36.4508,
11.5085

 92.9396, 150.2580,
80.3971


 10.2065, 24.7826,
6.2915


 119.3202,
186.8034, 105.6654

 5.5994, 15.9151,
2.9515

 150.2727,
228.8404, 135.7404

 2.6414, 9.4641,
1.0699

 186.1625,
276.7533, 171.0407

 0.9671, 5.0451,
0.0000

227.3550,

 0.0000, 2.2738,

330.9266, 211.9848

0.0000

274.2154,
391.7447, 258.9914

■ 0.0000, 0.7598,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.5758, 69.7273,
29.2476

■ 37.5758, 69.7273,
29.2476

■ 37.5768, 69.7298,
29.2466

■ 38.8222, 70.2743,
33.7101

■ 40.6919, 71.1279,
38.7807

■ 43.3485, 72.3738,
44.4886

■ 46.8915, 74.0630,
50.8575

■ 51.4048, 76.2383,
57.9096

■ 56.9621, 78.9373,
65.6657

■ 63.6294, 82.1936,
74.1458

■ 71.4675, 86.0383,
83.3689

■ 80.5321, 90.4997,
93.3533

Harmonies

Analogous

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



49.1607, 69.7273, 12.5422



37.5758, 69.7273, 29.2476



33.4611, 69.7273, 71.3547

Triad

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



37.5758, 69.7273, 29.2476



64.6594, 69.7273, 261.0285



109.0336, 69.7273, 33.7337

Complementary

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



37.5758, 69.7273, 29.2476



43.4564, 21.9373, 23.0688

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.



115.5891, 69.7273, 80.6785



37.5758, 69.7273, 29.2476



86.9581, 69.7273, 232.0772

Square

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



37.5758, 69.7273, 29.2476



46.8866, 69.7273, 222.3972



106.7811, 69.7273, 156.3888



90.3808, 69.7273, 13.9986

Rectangle

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



37.5758, 69.7273, 29.2476



34.6712, 69.7273, 116.9668



106.7811, 69.7273, 156.3888



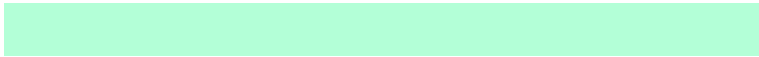
112.8779, 69.7273, 45.8138

Sweetspot

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



37.5775, 69.7301, 29.2492



66.5288, 85.9617, 77.5228



43.9141, 73.3884, 11.8513



13.5791, 18.0762, 15.7719



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.



37.5775, 69.7301, 29.2492



39.2973, 72.9349, 30.5471



50.1648, 74.7650, 95.5330



17.3644, 19.4480, 20.1194



20.0030, 37.0142, 15.8910



1.9059, 3.4495, 1.7522

Inverse Universe

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



43.4564, 21.9373, 23.0688



45.4465, 22.9426, 24.0812



39.4718, 20.3434, 2.0860



17.6216, 17.3760, 19.8630



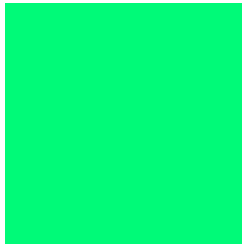
23.1226, 11.6648, 12.6201



2.1952, 1.1018, 1.4511

Previews

White Background



This preview shows how the XYZ color 37.5758, 69.7273, 29.2476 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 37.5758, 69.7273, 29.2476 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 37.5758, 69.7273, 29.2476

Background



This preview shows how black text looks on a background with the XYZ color 37.5758, 69.7273, 29.2476.



This preview shows how white text looks on a background with the XYZ color 37.5758, 69.7273, 29.2476.

Color Blindness Simulation

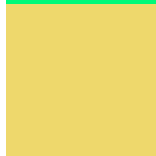
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

37.5758, 69.7273, 29.2476



Protanopia

62.5225, 68.3716, 24.0891



Deuteranopia

68.8193, 67.9922, 37.1004



Tritanopia

52.5822, 69.1235, 105.1785

Trichromacy



Original Color

37.5758, 69.7273, 29.2476



Protanomaly

43.4305, 63.2360, 25.2460



Deuteranomaly

45.8033, 62.2629, 33.2708



Tritanomaly

44.2251, 67.7685, 69.1422

Monochromacy



Original Color

37.5758, 69.7273, 29.2476



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

29.6603, 43.0090, 33.5264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5758, 69.7273, 29.2476 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(0, 250, 120)` looks like.

```
.text, #text, p{  
    color:rgb(0, 250, 120)  
}
```

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(0, 250, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 250, 120) }
```

Border

The CSS property to change the border of an element to XYZ 37.5758, 69.7273, 29.2476 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(0, 250, 120) }
```


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

```
.border{ border-color:rgb(0, 250, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 250, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 250, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 250, 120);  
box-shadow:4px 4px 4px 4px rgb(0, 250,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5758, 69.7273, 29.2476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 250, 120) }
```

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

```
.background{ background-color: rgb(0, 250,  
120) }
```

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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