

Converting Colors

XYZ(36.7869, 68.2659, 28.6255)

Have a look what the booklet for
XYZ(36.7869, 68.2659, 28.6255)
contains.

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Color

**XYZ(36.8972, 68.4667,
28.7235)**

Conversions

Conversions Part 1

Format	Color
Hex	00F877
RGB	0, 248, 119
RGB Percent	0%, 97%, 47%
CMY	0.9999, 0.0274, 0.5333
CMYK	1.00, 0.00, 0.52, 0.03
HSL	149°, 100%, 49%
HSV	149°, 100%, 97%
XYZ	36.8972, 68.4667, 28.7235
YIQ	159.1420, -106.3990, -92.6950

Conversions

Conversions Part 2

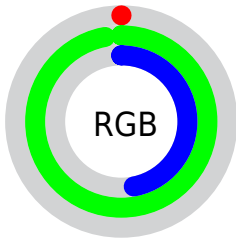
Format	Color
RYB	0, 168, 248
Decimal	63607
CIELab	86.24, -75.94, 48.01
CIELCh	86, 89.843, 147.702
Yxy	68.4667, 0.2752, 0.5106
Android (android.graphics.Color)	4278253687 (0xFF00F877)
YUV	159.1420, -19.7900, -139.5675
Hunter-Lab	82.7446, -65.2069, 37.3396

Details

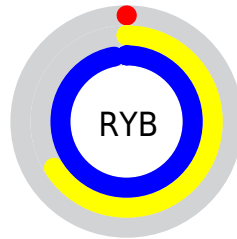
The XYZ color **36.8972, 68.4667, 28.7235** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated spring green. A complement of this color would be **42.6767, 21.5430, 22.6839**, and the grayscale version is **33.1456, 34.8718, 37.9753**.

A 20% lighter version of the original color is **50.2423, 78.1145, 51.9647**, and **19.3968, 37.2203, 11.3162** is the 20% darker color. If you saturate the color by 10%, you get **36.8981, 68.4692, 28.7222**, and if you desaturate by 10%, it is **38.1234, 69.0051, 33.1056**.

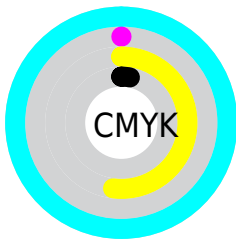
Distribution



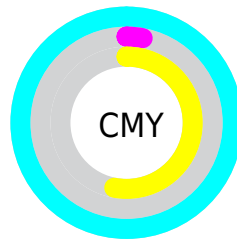
- Red (0%)
- Green (97%)
- Blue (47%)



- Red (0%)
- Yellow (66%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)
- Black (3%)




- Cyan (100%)
- Magenta (3%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8972, 68.4667, 28.7235 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 36.8972, 68.4667, 28.7235 by changing the saturation by 10% instead.


 36.8972, 68.4667,
28.7235


 36.8972, 68.4667,
28.7235


324.2285,
455.1478, 309.9281


 25.3012, 50.2775,
18.6280


 69.7295, 117.0195,
58.6744


 16.4315, 35.6339,
11.2277


 91.6965, 148.1520,
79.3669


 9.9228, 24.1516,
6.1041


 117.8513,
184.3676, 104.4288

 5.4097, 15.4461,
2.8387

 148.5592,
226.0509, 134.2786

 2.5268, 9.1331,
1.0129

 184.1854,
273.5861, 169.3349

 0.9088, 4.8281,
0.0000

225.0955,

 0.0000, 2.1468,

327.3578, 210.0162

0.0000

271.6548,
387.7502, 256.7411

■ 0.0000, 0.6907,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.8972, 68.4667,
28.7235

■ 36.8972, 68.4667,
28.7235

■ 36.8981, 68.4692,
28.7222

■ 38.1234, 69.0051,
33.1056

■ 39.9612, 69.8441,
38.0846

■ 42.5714, 71.0684,
43.6893

■ 46.0515, 72.7277,
49.9428

■ 50.4839, 74.8640,
56.8671

■ 55.9407, 77.5142,
64.4825

■ 62.4868, 80.7113,
72.8086

■ 70.1815, 84.4856,
81.8641

■ 79.0798, 88.8651,
91.6669

Harmonies

Analogous

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



48.2714, 68.4667, 12.3182



36.8972, 68.4667, 28.7235



32.8577, 68.4667, 70.0705

Triad

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



36.8972, 68.4667, 28.7235



63.4925, 68.4667, 256.2933



107.0579, 68.4667, 33.1228

Complementary

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



36.8972, 68.4667, 28.7235



42.6767, 21.5430, 22.6839

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.



113.4958, 68.4667, 79.2135



36.8972, 68.4667, 28.7235



85.3867, 68.4667, 227.8622

Square

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



36.8972, 68.4667, 28.7235



46.0414, 68.4667, 218.3702



104.8491, 68.4667, 153.5472



88.7430, 68.4667, 13.7465

Rectangle

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



36.8972, 68.4667, 28.7235



34.0464, 68.4667, 114.8566



104.8491, 68.4667, 153.5472



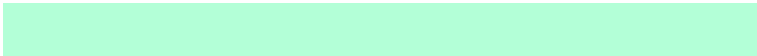
110.8328, 68.4667, 44.9831

Sweetspot

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



36.8989, 68.4695, 28.7251



66.5272, 85.9611, 77.5143



43.1279, 72.0653, 11.6374



13.5787, 18.0760, 15.7699



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.



36.8989, 68.4695, 28.7251



39.2947, 72.9339, 30.5333



49.2582, 73.4132, 93.8081



17.3643, 19.4480, 20.1188



20.0017, 37.0137, 15.8840



1.9057, 3.4494, 1.7515

Inverse Universe

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



42.6767, 21.5430, 22.6839



45.4494, 22.9438, 24.0964



38.7584, 19.9757, 2.0508



17.6217, 17.3760, 19.8637



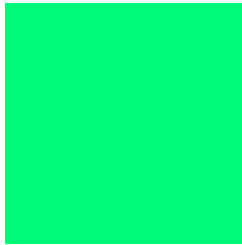
23.1241, 11.6654, 12.6278



2.1953, 1.1019, 1.4518

Previews

White Background



This preview shows how the XYZ color 36.8972, 68.4667, 28.7235 looks on a white background.

Color Contrast Check

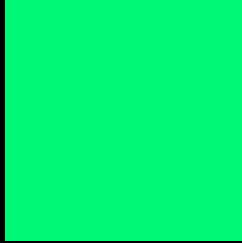
Large Text (above 18pt) WCAG AA × Fail

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 36.8972, 68.4667, 28.7235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

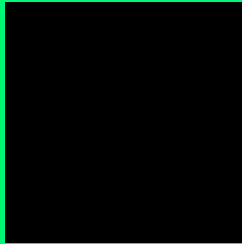
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8972, 68.4667, 28.7235

Background



This preview shows how black text looks on a background with the XYZ color 36.8972, 68.4667, 28.7235.

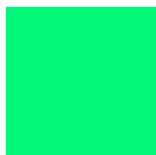


This preview shows how white text looks on a background with the XYZ color 36.8972, 68.4667,

Color Blindness Simulation

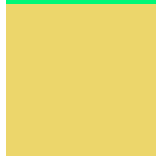
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



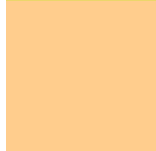
Original Color

36.8972, 68.4667, 28.7235



Protanopia

61.2925, 66.9875, 23.6093



Deuteranopia

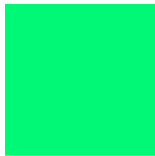
67.8790, 66.8457, 34.5242



Tritanopia

51.8174, 68.3607, 102.5593

Trichromacy



Original Color

36.8972, 68.4667, 28.7235



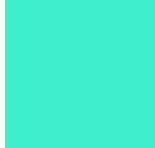
Protanomaly

42.6433, 62.0244, 24.7633



Deuteranomaly

44.9904, 61.0877, 31.6102



Tritanomaly

43.6901, 67.0847, 67.7727

Monochromacy



Original Color

36.8972, 68.4667, 28.7235



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

29.0317, 42.0419, 32.9703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8972, 68.4667, 28.7235 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, 248, 119)` looks like.

```
.text, #text, p{  
    color:rgb(0, 248, 119)  
}
```

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, 248, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 248, 119) }
```

Border

The CSS property to change the border of an element to XYZ 36.8972, 68.4667, 28.7235 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, 248, 119) }
```


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

```
.border{ border-color:rgb(0, 248, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 248, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 248, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 248, 119);  
box-shadow:4px 4px 4px 4px rgb(0, 248,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8972, 68.4667, 28.7235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 248, 119) }
```

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

```
.background{ background-color: rgb(0, 248,  
119) }
```

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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