

Converting Colors

XYZ(37.2687, 70.8305, 23.8505)

Have a look what the booklet for
XYZ(37.2687, 70.8305, 23.8505)
contains.

XYZ(37.1107, 70.5409, 23.7164)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.1107, 70.5409,
23.7164)**

Conversions

Conversions Part 1

Format	Color
Hex	00FC64
RGB	0, 252, 100
RGB Percent	0%, 99%, 39%
CMY	0.9999, 0.0117, 0.6078
CMYK	1.00, 0.00, 0.60, 0.01
HSL	144°, 100%, 49%
HSV	144°, 100%, 99%
XYZ	37.1107, 70.5409, 23.7164
YIQ	159.3240, -101.4000, -100.6960

Conversions

Conversions Part 2

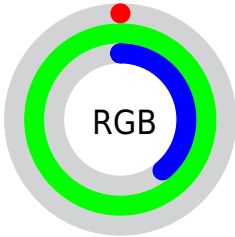
Format	Color
RYB	0, 180, 252
Decimal	64612
CIELab	87.26, -79.65, 57.70
CIELCh	87, 98.352, 144.078
Yxy	70.5409, 0.2825, 0.5370
Android (android.graphics.Color)	4278254692 (0xFF00FC64)
YUV	159.3240, -29.2467, -139.7271
Hunter-Lab	83.9886, -68.1092, 42.0499

Details

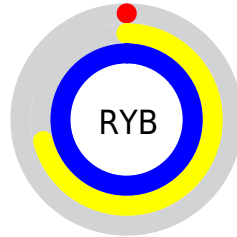
The XYZ color **37.1107, 70.5409, 23.7164** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **45.8153, 22.9641, 31.7301**, and the grayscale version is **33.2694, 35.0020, 38.1172**.

A 20% lighter version of the original color is **48.8789, 77.5996, 43.4124**, and **19.7464, 38.7654, 8.8246** is the 20% darker color. If you saturate the color by 10%, you get **37.1118, 70.5435, 23.7156**, and if you desaturate by 10%, it is **38.3243, 71.0755, 27.9807**.

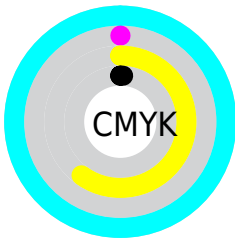
Distribution



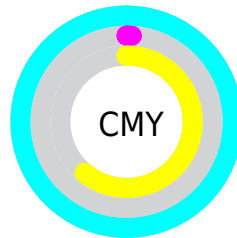
- Red (0%)
- Green (99%)
- Blue (39%)



- Red (0%)
- Yellow (71%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (1%)





- Cyan (100%)
- Magenta (1%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1107, 70.5409, 23.7164 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 37.1107, 70.5409, 23.7164 by changing the saturation by 10% instead.


 37.1107, 70.5409,
23.7164


 37.1107, 70.5409,
23.7164


325.1368,
462.4469, 284.6238


 25.4673, 51.9676,
14.9131


 70.0557, 119.9798,
50.5050


 16.5561, 36.9793,
8.6125


 92.0881, 151.6142,
69.3275


 10.0119, 25.1914,
4.3960


 118.3141,
188.3711, 92.3267

 5.4691, 16.2197,
1.8450

 149.0991,
230.6349, 119.9213

 2.5626, 9.6798,
0.4574

 184.8085,
278.7900, 152.5297

 0.9269, 5.1872,
0.0000

225.8077,

 0.0000, 2.3575,

333.2208, 190.5706

0.0000

272.4620,
394.3116, 234.4624

■ 0.0000, 0.8039,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.1107, 70.5409,
23.7164

■ 37.1107, 70.5409,
23.7164

■ 37.1118, 70.5435,
23.7156

■ 38.3243, 71.0755,
27.9807

■ 40.2044, 71.9349,
33.0282

■ 42.9197, 73.2075,
38.9025

■ 46.5742, 74.9461,
45.6409

■ 51.2559, 77.1954,
53.2777

■ 57.0418, 79.9945,
61.8455

■ 64.0016, 83.3787,
71.3750

■ 72.1987, 87.3801,
81.8955

■ 81.6920, 92.0285,
93.4350

Harmonies

Analogous

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



50.4998, 70.5409, 9.3520



37.1107, 70.5409, 23.7164



31.8431, 70.5409, 64.4075

Triad

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



37.1107, 70.5409, 23.7164



62.5648, 70.5409, 285.7283



116.3628, 70.5409, 35.7008

Complementary

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



37.1107, 70.5409, 23.7164



45.8153, 22.9641, 31.7301

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.



121.6841, 70.5409, 90.7039



37.1107, 70.5409, 23.7164



86.8635, 70.5409, 261.4895

Square

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



37.1107, 70.5409, 23.7164



44.2055, 70.5409, 232.8782



109.8646, 70.5409, 178.3049



96.6495, 70.5409, 12.9638

Rectangle

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



37.1107, 70.5409, 23.7164



32.5159, 70.5409, 112.1150



109.8646, 70.5409, 178.3049



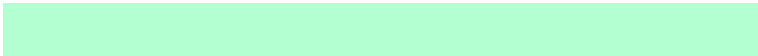
120.0583, 70.5409, 49.8196

Sweetspot

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



37.1124, 70.5438, 23.7180



65.7257, 85.6405, 73.2938



48.4079, 76.6326, 12.2406



13.3903, 18.0007, 14.7779



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.



37.1124, 70.5438, 23.7180



38.1180, 72.4632, 24.3370



48.0781, 74.9301, 81.4625



17.3027, 19.4233, 19.7944



19.3989, 36.7726, 12.7098



1.8473, 3.4260, 1.4437

Inverse Universe

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



45.8153, 22.9641, 31.7301



47.0574, 23.5870, 32.5642



40.3735, 20.7874, 3.0739



17.6843, 17.4011, 20.1934



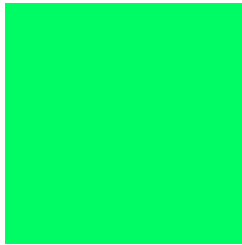
23.9392, 11.9914, 16.9199



2.2694, 1.1315, 1.8421

Previews

White Background



This preview shows how the XYZ color 37.1107, 70.5409, 23.7164 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 37.1107, 70.5409, 23.7164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

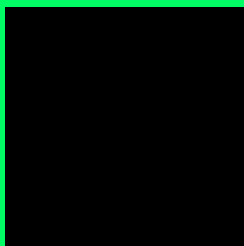
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.1107, 70.5409, 23.7164

Background



This preview shows how black text looks on a background with the XYZ color 37.1107, 70.5409, 23.7164.



This preview shows how white text looks on a background with the XYZ color 37.1107, 70.5409,

Color Blindness Simulation

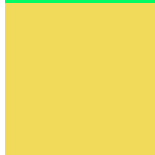
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

37.1107, 70.5409, 23.7164



Protanopia

62.8917, 69.0477, 19.4640



Deuteranopia

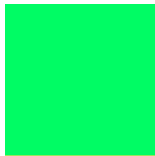
69.2288, 68.9363, 36.8514



Tritanopia

53.6390, 70.0945, 105.3103

Trichromacy



Original Color

37.1107, 70.5409, 23.7164



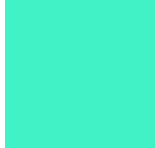
Protanomaly

43.4095, 64.1562, 20.4514



Deuteranomaly

45.7880, 63.1168, 30.5384



Tritanomaly

44.3077, 68.7860, 64.9746

Monochromacy



Original Color

37.1107, 70.5409, 23.7164



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

29.0242, 42.7416, 30.7650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1107, 70.5409, 23.7164 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, 252, 100)` looks like.

```
.text, #text, p{  
    color:rgb(0, 252, 100)  
}
```

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, 252, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 252, 100) }
```

Border

The CSS property to change the border of an element to XYZ 37.1107, 70.5409, 23.7164 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, 252, 100) }
```


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

```
.border{ border-color:rgb(0, 252, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 252, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 252, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 252, 100);  
box-shadow:4px 4px 4px 4px rgb(0, 252,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1107, 70.5409, 23.7164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 252, 100) }
```

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

```
.background{ background-color: rgb(0, 252,  
100) }
```

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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