

Converting Colors

XYZ(37.5623, 71.5973, 23.3178)

Have a look what the booklet for
XYZ(37.5623, 71.5973, 23.3178)
contains.

XYZ(37.6589, 71.7719, 23.4238)	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(37.6589, 71.7719,
23.4238)**

Conversions

Conversions Part 1

Format	Color
Hex	01FE62
RGB	1, 254, 98
RGB Percent	0%, 100%, 38%
CMY	0.9961, 0.0039, 0.6157
CMYK	1.00, 0.00, 0.61, 0.00
HSL	143°, 99%, 50%
HSV	143°, 100%, 100%
XYZ	37.6589, 71.7719, 23.4238
YIQ	160.5690, -100.7120, -102.1520

Conversions

Conversions Part 2

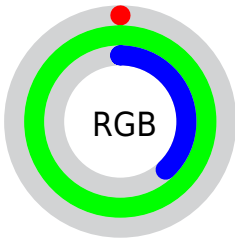
Format	Color
RYB	1, 184, 254
Decimal	130658
CIELab	87.86, -80.43, 59.23
CIELCh	88, 99.885, 143.632
Yxy	71.7719, 0.2835, 0.5402
Android (android.graphics.Color)	4278320738 (0xFF01FE62)
YUV	160.5690, -30.8465, -139.9420
Hunter-Lab	84.7183, -68.9104, 42.9097

Details

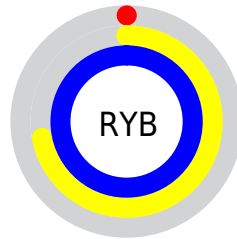
The XYZ color **37.6589, 71.7719, 23.4238** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **46.9720, 23.5281, 33.9669**, and the grayscale version is **33.8504, 35.6132, 38.7828**.

A 20% lighter version of the original color is **48.8459, 77.6018, 42.5412**, and **19.9153, 39.1903, 8.6127** is the 20% darker color. If you saturate the color by 10%, you get **37.6188, 71.7567, 23.2710**, and if you desaturate by 10%, it is **38.8980, 72.3188, 27.7291**.

Distribution



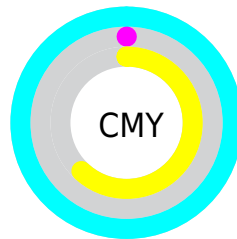
- Red (0%)
- Green (100%)
- Blue (38%)



- Red (0%)
- Yellow (72%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (61%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.6589, 71.7719, 23.4238 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 37.6589, 71.7719, 23.4238 by changing the saturation by 10% instead.


 37.6589, 71.7719,
23.4238


 37.6589, 71.7719,
23.4238


327.4607,
466.7473, 283.0864

 25.8941, 52.9724,
14.6985


 70.8923, 121.7322,
50.0203


 16.8767, 37.7807,
8.4638


 93.0916, 153.6617,
68.7285


 10.2414, 25.8125,
4.3011


 119.4997,
190.7367, 91.6015

 5.6228, 16.6835,
1.7920

 150.4820,
233.3415, 119.0578

 2.6556, 10.0091,
0.4226

 186.4040,
281.8606, 151.5159

 0.9743, 5.4050,
0.0000

227.6308,

 0.0000, 2.4868,

336.6783, 189.3943

0.0000

274.5279,
398.1791, 233.1117

■ 0.0000, 0.8700,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.6589, 71.7719,
23.4238

■ 37.6589, 71.7719,
23.4238

■ 37.6188, 71.7567,
23.2710

■ 38.8980, 72.3188,
27.7291

■ 40.8338, 73.2051,
32.8615

■ 43.6307, 74.5169,
38.8680

■ 47.3944, 76.3079,
45.7889

■ 52.2143, 78.6234,
53.6617

■ 58.1694, 81.5034,
62.5217

■ 65.3305, 84.9838,
72.4022

■ 73.7627, 89.0975,
83.3349

■ 83.5261, 93.8749,
95.3502

Harmonies

Analogous

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



51.5011, 71.7719, 9.1362



37.6589, 71.7719, 23.4238



32.1556, 71.7719, 64.5219

Triad

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



37.6589, 71.7719, 23.4238



63.2768, 71.7719, 293.4769



119.1838, 71.7719, 36.5733

Complementary

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



37.6589, 71.7719, 23.4238



46.9720, 23.5281, 33.9669

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.



124.4044, 71.7719, 93.5676



37.6589, 71.7719, 23.4238



88.2073, 71.7719, 269.6077

Square

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



37.6589, 71.7719, 23.4238



44.5651, 71.7719, 237.8287



111.9872, 71.7719, 184.1684



99.0336, 71.7719, 13.0614

Rectangle

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



37.6589, 71.7719, 23.4238



32.7679, 71.7719, 113.1986



111.9872, 71.7719, 184.1684



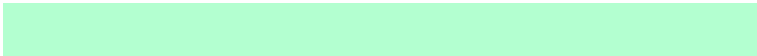
122.9109, 71.7719, 51.2003

Sweetspot

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



37.6606, 71.7748, 23.4254



65.5993, 85.5899, 72.6277



49.3576, 78.0589, 12.4944



13.3607, 17.9888, 14.6220



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.



37.6606, 71.7748, 23.4254



37.9535, 72.3974, 23.4711



48.9767, 76.3012, 83.0148



18.0598, 20.2834, 20.6177



19.8987, 37.8561, 12.6180



1.9888, 3.7065, 1.4990

Inverse Universe

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



46.9720, 23.5281, 33.9669



47.3458, 23.7023, 34.0830



41.1267, 21.1899, 3.1861



18.4802, 18.1754, 21.1459



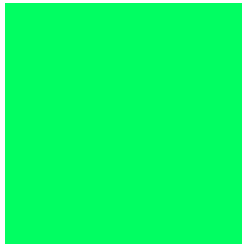
24.8144, 12.4151, 18.2049



2.4695, 1.2302, 2.0537

Previews

White Background



This preview shows how the XYZ color 37.6589, 71.7719, 23.4238 looks on a white background.

Color Contrast Check

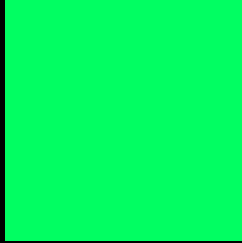
Large Text (above 18pt) WCAG AA × Fail

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 37.6589, 71.7719, 23.4238 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 37.6589, 71.7719, 23.4238

Background



This preview shows how black text looks on a background with the XYZ color 37.6589, 71.7719, 23.4238.

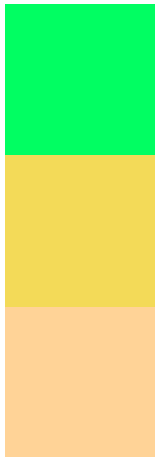


This preview shows how white text looks on a background with the XYZ color 37.6589, 71.7719,

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

37.6589, 71.7719, 23.4238

Protanopia

63.7950, 69.9021, 19.3626

Deuteranopia

70.1202, 70.0829, 39.1098



Tritanopia

55.2736, 71.3658, 105.4695

Trichromacy



Original Color

37.6589, 71.7719, 23.4238



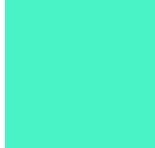
Protanomaly

44.0252, 64.8931, 20.3305



Deuteranomaly

46.7382, 64.3906, 31.7951



Tritanomaly

44.9913, 69.5949, 64.4879

Monochromacy



Original Color

37.6589, 71.7719, 23.4238



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

29.6961, 43.7488, 30.9240

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6589, 71.7719, 23.4238 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(1, 254, 98)` looks like.

```
.text, #text, p{  
    color:rgb(1, 254, 98)  
}
```

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(1, 254, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 254, 98) }
```

Border

The CSS property to change the border of an element to XYZ 37.6589, 71.7719, 23.4238 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(1, 254, 98) }
```


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

```
.border{ border-color:rgb(1, 254, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 254, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 254, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 254, 98);  
box-shadow:4px 4px 4px 4px rgb(1, 254, 98)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.6589, 71.7719, 23.4238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 254, 98) }
```

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

```
.background{ background-color: rgb(1, 254,  
98) }
```

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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