

Converting Colors

XYZ(38.7458, 72.7142, 27.6392)

Have a look what the booklet for
XYZ(38.7458, 72.7142, 27.6392)
contains.

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Color

**XYZ(38.7406, 72.7123,
27.6158)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF71
RGB	0, 255, 113
RGB Percent	0%, 100%, 44%
CMY	1.0000, 0.0000, 0.5568
CMYK	1.00, 0.00, 0.56, 0.00
HSL	147°, 100%, 50%
HSV	147°, 100%, 100%
XYZ	38.7406, 72.7123, 27.6158
YIQ	162.5670, -106.3980, -98.2220

Conversions

Conversions Part 2

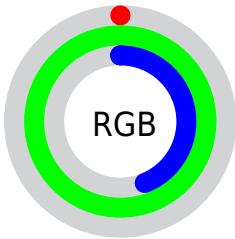
Format	Color
RYB	0, 177, 255
Decimal	65393
CIELab	88.31, -78.89, 53.25
CIELCh	88, 95.181, 145.984
Yxy	72.7123, 0.2786, 0.5229
Android (android.graphics.Color)	4278255473 (0xFF00FF71)
YUV	162.5670, -24.4365, -142.5713
Hunter-Lab	85.2715, -68.1289, 40.4886

Details

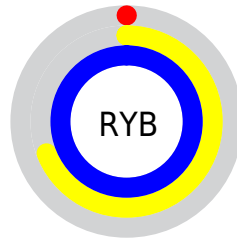
The XYZ color **38.7406, 72.7123, 27.6158** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **46.1228, 23.2132, 27.6419**, and the grayscale version is **34.7568, 36.5669, 39.8214**.

A 20% lighter version of the original color is **50.0303, 78.0602, 49.4760**, and **20.5293, 39.7956, 10.7370** is the 20% darker color. If you saturate the color by 10%, you get **38.7406, 72.7123, 27.6159**, and if you desaturate by 10%, it is **40.0176, 73.2708, 32.1820**.

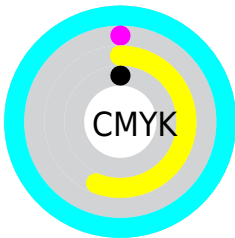
Distribution



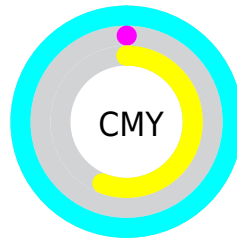
- Red (0%)
- Green (100%)
- Blue (44%)



- Red (0%)
- Yellow (69%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7406, 72.7123, 27.6158 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 38.7406, 72.7123, 27.6158 by changing the saturation by 10% instead.


 38.7406, 72.7123,
27.6158


 38.7406, 72.7123,
27.6158


332.0126,
470.0171, 304.4804


 26.7378, 53.7407,
17.7997


 72.5385, 123.0687,
56.8862


 17.5120, 38.3944,
10.6383


 95.0643, 155.2223,
77.1775


 10.6977, 26.2890,
5.7131


 121.8285,
192.5388, 101.7977

 5.9298, 17.0399,
2.6055

 153.1964,
235.4024, 131.1653

 2.8427, 10.2630,
0.8953

 189.5334,
284.1977, 165.6989

 1.0711, 5.5737,
0.0000

231.2049,

 0.0007, 2.5876,

339.3090, 205.8169

0.0000

278.5761,
401.1206, 251.9379

■ 0.0000, 0.9204,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.7406, 72.7123,
27.6158

■ 38.7406, 72.7123,
27.6158

■ 38.7406, 72.7123,
27.6159

■ 40.0176, 73.2708,
32.1820

■ 41.9634, 74.1591,
37.4596

■ 44.7482, 75.4642,
43.4845

■ 48.4774, 77.2400,
50.2868

■ 53.2402, 79.5319,
57.8946

■ 59.1147, 82.3796,
66.3346

■ 66.1713, 85.8189,
75.6319

■ 74.4742, 89.8825,
85.8105

■ 84.0829, 94.6006,
96.8936

Harmonies

Analogous

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



51.6097, 72.7123, 11.4079



38.7406, 72.7123, 27.6158



33.9225, 72.7123, 70.6898

Triad

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



38.7406, 72.7123, 27.6158



66.0822, 72.7123, 282.4130



116.5498, 72.7123, 35.8819

Complementary

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



38.7406, 72.7123, 27.6158



46.1228, 23.2132, 27.6419

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.



122.7911, 72.7123, 88.3055



38.7406, 72.7123, 27.6158



90.1790, 72.7123, 254.4474

Square

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



38.7406, 72.7123, 27.6158



47.3500, 72.7123, 235.7518



112.2485, 72.7123, 172.3664



96.6874, 72.7123, 14.0028

Rectangle

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



38.7406, 72.7123, 27.6158



34.9210, 72.7123, 119.0747



112.2485, 72.7123, 172.3664



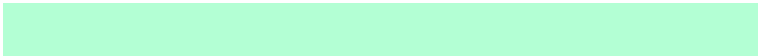
120.4747, 72.7123, 49.3568

Sweetspot

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



38.7409, 72.7124, 27.6170



66.1693, 85.8179, 75.6293



47.3497, 77.4947, 12.4626



13.4944, 18.0423, 15.3261



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.



38.7409, 72.7124, 27.6170



38.7406, 72.7123, 27.6159



51.1928, 77.6931, 93.1874



18.1060, 20.3019, 20.8612



20.3152, 38.0227, 14.8108



2.0319, 3.7237, 1.7260

Inverse Universe

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



46.1228, 23.2132, 27.6419



46.1225, 23.2130, 27.6407



41.3413, 21.3006, 2.4631



18.4329, 18.1565, 20.8967



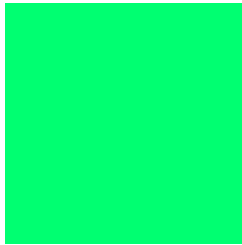
24.1764, 12.1598, 14.8452



2.4090, 1.2060, 1.7351

Previews

White Background



This preview shows how the XYZ color 38.7406, 72.7123, 27.6158 looks on a white background.

Color Contrast Check

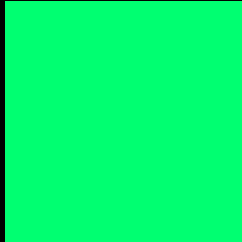
Large Text (above 18pt) WCAG AA × Fail

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 38.7406, 72.7123, 27.6158 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 38.7406, 72.7123, 27.6158

Background



This preview shows how black text looks on a background with the XYZ color 38.7406, 72.7123, 27.6158.

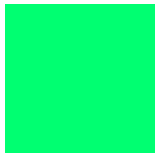


This preview shows how white text looks on a background with the XYZ color 38.7406, 72.7123,

Color Blindness Simulation

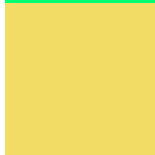
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

38.7406, 72.7123, 27.6158



Protanopia

64.9536, 71.2004, 22.8900



Deuteranopia

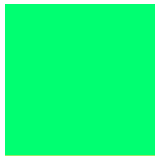
71.0415, 70.8502, 42.7320



Tritanopia

56.2193, 71.8533, 105.5137

Trichromacy



Original Color

38.7406, 72.7123, 27.6158



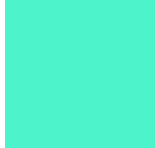
Protanomaly

45.2580, 66.2870, 24.0450



Deuteranomaly

47.5262, 65.1212, 35.6559



Tritanomaly

46.1907, 70.5909, 67.6908

Monochromacy



Original Color

38.7406, 72.7123, 27.6158



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

30.5597, 44.4672, 33.7604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7406, 72.7123, 27.6158 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, 255, 113)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 113)  
}
```

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, 255, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 113) }
```

Border

The CSS property to change the border of an element to XYZ 38.7406, 72.7123, 27.6158 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, 255, 113) }
```


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

```
.border{ border-color:rgb(0, 255, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 113);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7406, 72.7123, 27.6158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 113) }
```

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

```
.background{ background-color: rgb(0, 255,  
113) }
```

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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