

Converting Colors

XYZ(38.8518, 72.7724, 27.4933)

Have a look what the booklet for
XYZ(38.8518, 72.7724, 27.4933)
contains.

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Color

**XYZ(38.8786, 72.7834,
27.6223)**

Conversions

Conversions Part 1

Format	Color
Hex	0BFF71
RGB	11, 255, 113
RGB Percent	4%, 100%, 44%
CMY	0.9568, 0.0000, 0.5568
CMYK	0.96, 0.00, 0.56, 0.00
HSL	145°, 100%, 52%
HSV	145°, 96%, 100%
XYZ	38.8786, 72.7834, 27.6223
YIQ	165.8560, -99.8420, -95.8900

Conversions

Conversions Part 2

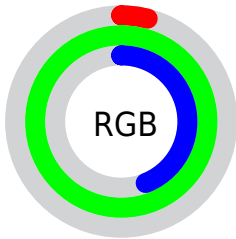
Format	Color
RYB	11, 183, 255
Decimal	786289
CIELab	88.34, -78.60, 53.30
CIELCh	88, 94.965, 145.861
Yxy	72.7834, 0.2791, 0.5226
Android (android.graphics.Color)	4278976369 (0xFF0BFF71)
YUV	165.8560, -26.0580, -135.8087
Hunter-Lab	85.3132, -67.9527, 40.5226

Details

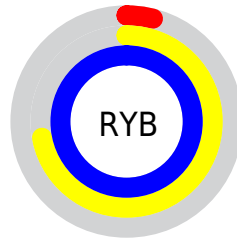
The XYZ color **38.8786, 72.7834, 27.6223** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **47.1097, 23.7995, 32.2489**, and the grayscale version is **36.3333, 38.2254, 41.6275**.

A 20% lighter version of the original color is **50.2991, 78.1987, 49.4886**, and **20.5293, 39.7956, 10.7370** is the 20% darker color. If you saturate the color by 10%, you get **38.3928, 72.5731, 25.7839**, and if you desaturate by 10%, it is **40.3914, 73.4587, 32.4185**.

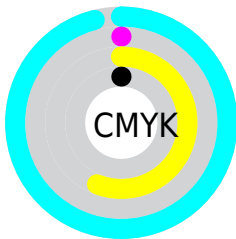
Distribution



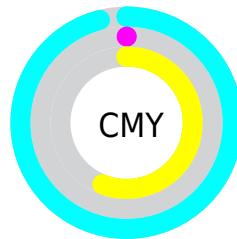
- Red (4%)
- Green (100%)
- Blue (44%)



- Red (4%)
- Yellow (72%)
- Blue (100%)



- Cyan (96%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)





- Cyan (96%)
- Magenta (0%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8786, 72.7834, 27.6223 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 38.8786, 72.7834, 27.6223 by changing the saturation by 10% instead.


 38.8786, 72.7834,
27.6223


 38.8786, 72.7834,
27.6223


332.5901,
470.2638, 304.5126


 26.8456, 53.7989,
17.8046


 72.7481, 123.1697,
56.8967


 17.5933, 38.4409,
10.6418


 95.3153, 155.3402,
77.1904


 10.7563, 26.3251,
5.7154


 122.1246,
192.6749, 101.8133

 5.9693, 17.0670,
2.6068

 153.5413,
235.5580, 131.1837

 2.8669, 10.2823,
0.8960

 189.9309,
284.3741, 165.7203

 1.0838, 5.5865,
0.0000

231.6587,

 0.0115, 2.5953,

339.5075, 205.8417

0.0000

279.0900,
401.3426, 251.9663

■ 0.0000, 0.9243,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.8786, 72.7834,
27.6223

■ 38.8786, 72.7834,
27.6223


■ 38.3928, 72.5731,
25.7839


■ 40.3914, 73.4587,
32.4185


■ 42.6811, 74.5180,
37.9953


■ 45.8687, 76.0230,
44.3900


■ 50.0524, 78.0237,
51.6357

 55.3169, 80.5632,
59.7635

 61.7372, 83.6796,
68.8029

 69.3816, 87.4075,
78.7819

 78.3128, 91.7787,
89.7270

 88.5890, 96.8227,
101.6640

Harmonies

Analogous

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



51.7711, 72.7834, 11.4672



38.8786, 72.7834, 27.6223



34.0306, 72.7834, 70.5306

Triad

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



38.8786, 72.7834, 27.6223



66.0633, 72.7834, 281.8862



116.5773, 72.7834, 36.1450

Complementary

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



38.8786, 72.7834, 27.6223



47.1097, 23.7995, 32.2489

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.



122.7349, 72.7834, 88.6573



38.8786, 72.7834, 27.6223



90.1065, 72.7834, 254.3156

Square

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



38.8786, 72.7834, 27.6223



47.3851, 72.7834, 235.1113



112.1551, 72.7834, 172.6045



96.8001, 72.7834, 14.1496

Rectangle

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



38.8786, 72.7834, 27.6223



35.0081, 72.7834, 118.7330



112.1551, 72.7834, 172.6045



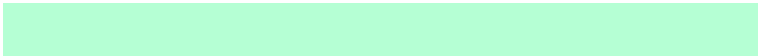
120.4716, 72.7834, 49.6605

Sweetspot

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



38.8790, 72.7835, 27.6235



66.7069, 86.1014, 75.3667



49.0209, 78.3492, 12.8561



13.5854, 18.0915, 15.2244



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.



38.8790, 72.7835, 27.6235



38.3928, 72.5731, 25.7839



50.8454, 77.5701, 90.6381



18.0865, 20.2941, 20.7586



20.1315, 37.9492, 13.8434



2.0131, 3.7162, 1.6270

Inverse Universe

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



47.1097, 23.7995, 32.2489



46.6171, 23.4109, 30.2456



41.6116, 21.6002, 3.2960



18.4527, 18.1644, 21.0012



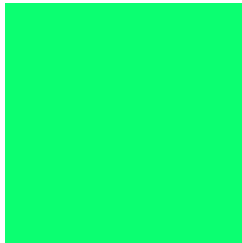
24.4346, 12.2632, 16.2052



2.4336, 1.2158, 1.8649

Previews

White Background



This preview shows how the XYZ color 38.8786, 72.7834, 27.6223 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 38.8786, 72.7834, 27.6223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

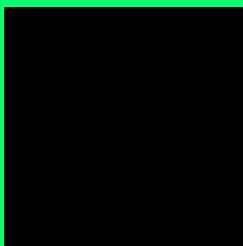
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.8786, 72.7834, 27.6223

Background



This preview shows how black text looks on a background with the XYZ color 38.8786, 72.7834, 27.6223.

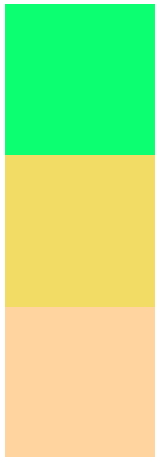


This preview shows how white text looks on a background with the XYZ color 38.8786, 72.7834,

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

38.8786, 72.7834, 27.6223

Protanopia

64.9536, 71.2004, 22.8900

Deuteranopia

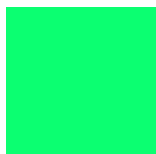
71.0415, 70.8502, 42.7320



Tritanopia

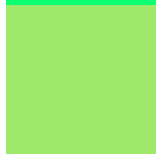
56.2193, 71.8533, 105.5137

Trichromacy



Original Color

38.8786, 72.7834, 27.6223



Protanomaly

46.0385, 66.6894, 24.0815



Deuteranomaly

48.3518, 65.5468, 35.6946



Tritanomaly

46.5235, 70.7625, 67.7064

Monochromacy



Original Color

38.8786, 72.7834, 27.6223



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

31.8910, 45.8097, 34.7651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8786, 72.7834, 27.6223 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(11, 255, 113)` looks like.

```
.text, #text, p{  
    color:rgb(11, 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(11, 255, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 255, 113) }
```

Border

The CSS property to change the border of an element to XYZ 38.8786, 72.7834, 27.6223 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(11, 255, 113) }
```


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

```
.border{ border-color:rgb(11, 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(11, 255, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 255, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 255, 113);  
box-shadow:4px 4px 4px 4px rgb(11, 255,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8786, 72.7834, 27.6223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 255, 113) }
```

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

```
.background{ background-color: rgb(11, 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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