

# Converting Colors

XYZ(38.6051, 72.6582, 26.8972)

Have a look what the booklet for  
XYZ(38.6051, 72.6582, 26.8972)  
contains.

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# Color

**XYZ(38.6292, 72.6677,  
27.0292)**

# Conversions

## Conversions Part 1

| Format      | Color                         |
|-------------|-------------------------------|
| Hex         | 00FF6F                        |
| RGB         | 0, 255, 111                   |
| RGB Percent | 0%, 100%, 44%                 |
| CMY         | 1.0000, 0.0000, 0.5647        |
| CMYK        | 1.00, 0.00, 0.56, 0.00        |
| HSL         | 146°, 100%, 50%               |
| HSV         | 146°, 100%, 100%              |
| XYZ         | 38.6292, 72.6677, 27.0292     |
| YIQ         | 162.3390, -105.7560, -98.8440 |

# Conversions

## Conversions Part 2

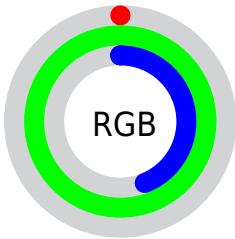
| <b>Format</b>                       | <b>Color</b>                     |
|-------------------------------------|----------------------------------|
| <b>RYB</b>                          | 0, 178, 255                      |
| Decimal                             | 65391                            |
| CIELab                              | 88.29, -79.16, 54.11             |
| CIELCh                              | 88, 95.886, 145.643              |
| Yxy                                 | 72.6677, 0.2793,<br>0.5253       |
| Android<br>(android.graphics.Color) | 4278255471<br>(0xFF00FF6F)       |
| YUV                                 | 162.3390, -25.3101,<br>-142.3713 |
| Hunter-Lab                          | 85.2454, -68.2915,<br>40.8723    |

# Details

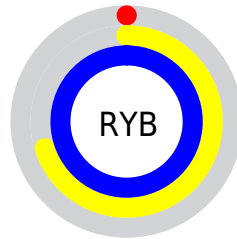
The XYZ color **38.6292, 72.6677, 27.0292** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **46.2744, 23.2739, 28.4405**, and the grayscale version is **34.6534, 36.4580, 39.7028**.

A 20% lighter version of the original color is **49.8454, 77.9862, 48.5021**, and **20.4784, 39.7753, 10.4690** is the 20% darker color. If you saturate the color by 10%, you get **38.6292, 72.6677, 27.0291**, and if you desaturate by 10%, it is **39.9011, 73.2242, 31.5683**.

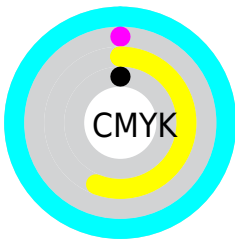
# Distribution



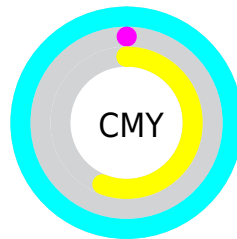
- Red (0%)
- Green (100%)
- Blue (44%)



- Red (0%)
- Yellow (70%)
- 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 38.6292, 72.6677, 27.0292 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 38.6292, 72.6677, 27.0292 by changing the saturation by 10% instead.





 38.6292, 72.6677,  
27.0292


 38.6292, 72.6677,  
27.0292


331.5458,  
469.8623, 301.5631


 26.6508, 53.7043,  
17.3625


 72.3692, 123.0054,  
55.9350


 17.4464, 38.3653,  
10.3286


 94.8616, 155.1484,  
76.0113


 10.6505, 26.2663,  
5.5089


 121.5893,  
192.4534, 100.3944

 5.8979, 17.0230,  
2.4849

 152.9177,  
235.3048, 129.5031

 2.8232, 10.2509,  
0.8322

 189.2122,  
284.0870, 163.7557

 1.0610, 5.5656,  
0.0000


230.8382,

 0.0000, 2.5828,


339.1844, 203.5709


0.0000


278.1609,  
400.9814, 249.3672


 0.0000, 0.9180,  
0.0000


 0.0000, 0.0000,  
0.0000


 38.6292, 72.6677,  
27.0292


 38.6292, 72.6677,  
27.0292


 38.6292, 72.6677,  
27.0291


 39.9011, 73.2242,  
31.5683


 41.8448, 74.1117,  
36.8348


 44.6308, 75.4173,  
42.8658


 48.3647, 77.1950,  
49.6926

 53.1359, 79.4902,  
57.3446

 59.0228, 82.3428,  
65.8494

 66.0958, 85.7888,  
75.2333

 74.4195, 89.8607,  
85.5211

 84.0535, 94.5889,  
96.7370

# Harmonies

## Analogous

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



51.6525, 72.6677, 11.0777



38.6292, 72.6677, 27.0292



33.7068, 72.6677, 69.8908

# Triad

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



38.6292, 72.6677, 27.0292



65.7649, 72.6677, 284.3433



117.0666, 72.6677, 36.0128

# Complementary

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



38.6292, 72.6677, 27.0292



46.2744, 23.2739, 28.4405

# 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.



123.1767, 72.6677, 89.1338



38.6292, 72.6677, 27.0292



90.0158, 72.6677, 256.8857

# Square

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



38.6292, 72.6677, 27.0292



47.0075, 72.6677, 236.3728



112.3580, 72.6677, 174.2126



97.1346, 72.6677, 13.8781



# Rectangle

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



38.6292, 72.6677, 27.0292



34.6511, 72.6677, 118.3974



112.3580, 72.6677, 174.2126



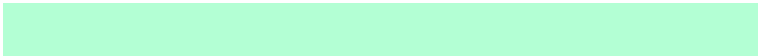
120.9704, 72.6677, 49.6638

# Sweetspot

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



38.6296, 72.6678, 27.0304



66.0935, 85.7876, 75.2302



47.3498, 77.4947, 12.4626



13.4766, 18.0352, 15.2323



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.



38.6296, 72.6678, 27.0304



38.6292, 72.6677, 27.0291



51.1928, 77.6931, 93.1875



18.0999, 20.2995, 20.8291



20.2564, 37.9991, 14.5012



2.0259, 3.7213, 1.6945



# Inverse Universe

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



46.2744, 23.2739, 28.4405



46.2741, 23.2736, 28.4391



41.3413, 21.3007, 2.4631



18.4391, 18.1589, 20.9293



24.2556, 12.1915, 15.2622

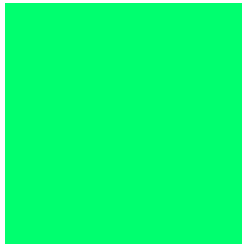


2.4166, 1.2090, 1.7751



# Previews

## White Background



This preview shows how the XYZ color 38.6292, 72.6677, 27.0292 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 38.6292, 72.6677, 27.0292 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 38.6292, 72.6677, 27.0292**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.6292, 72.6677, 27.0292.



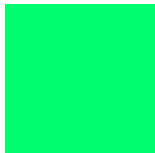
This preview shows how white text looks on a background with the XYZ color 38.6292, 72.6677,



# Color Blindness Simulation

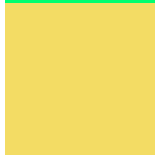
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

38.6292, 72.6677, 27.0292



### Protanopia

64.8556, 71.1612, 22.3738



### Deuteranopia

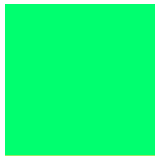
70.9550, 70.8156, 42.2768



## Tritanopia

56.2193, 71.8533, 105.5137

# Trichromacy



## Original Color

38.6292, 72.6677, 27.0292



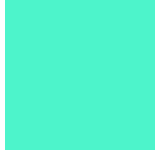
## Protanomaly

45.1552, 66.2459, 23.5035



## Deuteranomaly

47.4514, 65.0913, 35.2622



## Tritanomaly

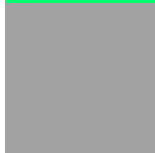
46.1907, 70.5909, 67.6908

# Monochromacy



## Original Color

38.6292, 72.6677, 27.0292



## Achromatopsia

34.3422, 36.1307, 39.3463



## Achromatomaly

30.2914, 44.3466, 32.9498

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.6292, 72.6677, 27.0292 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, 111)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 111)  
}
```

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, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 111) }
```

## Border

The CSS property to change the border of an element to XYZ 38.6292, 72.6677, 27.0292 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, 111) }
```



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

```
.border{ border-color:rgb(0, 255, 111) }
```

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, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 111);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
111) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.6292, 72.6677, 27.0292 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, 111) }
```

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

```
.background{ background-color: rgb(0, 255,  
111) }
```

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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