

# Converting Colors

XYZ(38.3928, 72.5731, 25.7839)

Have a look what the booklet for  
XYZ(38.3928, 72.5731, 25.7839)  
contains.

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# Color

**XYZ(38.4138, 72.5815,  
25.8949)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00FF6B
RGB	0, 255, 107
RGB Percent	0%, 100%, 42%
CMY	1.0000, 0.0000, 0.5804
CMYK	1.00, 0.00, 0.58, 0.00
HSL	145°, 100%, 50%
HSV	145°, 100%, 100%
XYZ	38.4138, 72.5815, 25.8949
YIQ	161.8830, -104.4720, -100.0880

# Conversions

## Conversions Part 2

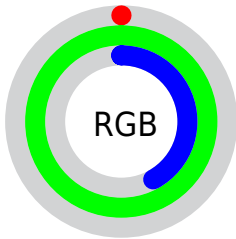
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 180, 255
Decimal	65387
CIELab	88.25, -79.67, 55.83
CIELCh	88, 97.281, 144.981
Yxy	72.5815, 0.2806, 0.5302
Android (android.graphics.Color)	4278255467 (0xFF00FF6B)
YUV	161.8830, -27.0573, -141.9714
Hunter-Lab	85.1948, -68.6063, 41.6152

# Details

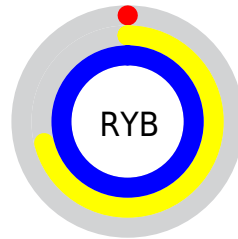
The XYZ color **38.4138, 72.5815, 25.8949** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **46.5858, 23.3985, 30.0801**, and the grayscale version is **34.4468, 36.2407, 39.4662**.

A 20% lighter version of the original color is **49.4840, 77.8416, 46.5993**, and **20.3598, 39.7278, 9.8440** is the 20% darker color. If you saturate the color by 10%, you get **38.4138, 72.5815, 25.8946**, and if you desaturate by 10%, it is **39.6743, 73.1335, 30.3740**.

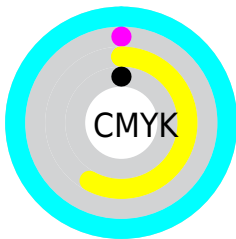
# Distribution



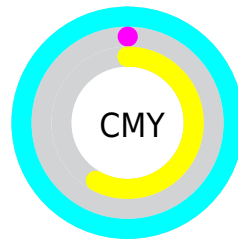
- Red (0%)
- Green (100%)
- Blue (42%)



- Red (0%)
- Yellow (71%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4138, 72.5815, 25.8949 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 38.4138, 72.5815, 25.8949 by changing the saturation by 10% instead.





 38.4138, 72.5815,  
25.8949


 38.4138, 72.5815,  
25.8949


330.6420,  
469.5631, 295.8548


 26.4827, 53.6338,  
16.5200


 72.0418, 122.8829,  
54.0873


 17.3197, 38.3090,  
9.7345


 94.4693, 155.0054,  
73.7419


 10.5594, 26.2226,  
5.1200


 121.1264,  
192.2884, 97.6602

 5.8365, 16.9902,  
2.2579

 152.3783,  
235.1161, 126.2606

 2.7856, 10.2275,  
0.7075

 188.5905,  
283.8731, 159.9617

 1.0414, 5.5501,  
0.0000

230.1283,

 0.0000, 2.5735,

338.9436, 199.1821

0.0000

277.3570,  
400.7122, 244.3403

■ 0.0000, 0.9134,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 38.4138, 72.5815,  
25.8949

■ 38.4138, 72.5815,  
25.8949

■ 38.4138, 72.5815,  
25.8946

■ 39.6743, 73.1335,  
30.3740

■ 41.6127, 74.0189,  
35.6122

■ 44.3999, 75.3250,  
41.6497

■ 48.1423, 77.1060,  
48.5205

■ 52.9294, 79.4076,  
56.2562

■ 58.8402, 82.2698,  
64.8866

■ 65.9456, 85.7287,  
74.4403

■ 74.3103, 89.8171,  
84.9441

■ 83.9945, 94.5654,  
96.4240

# Harmonies

## Analogous

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



51.7418, 72.5815, 10.4459



38.4138, 72.5815, 25.8949



33.2865, 72.5815, 68.3250

# Triad

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



38.4138, 72.5815, 25.8949



65.1401, 72.5815, 288.1647



118.0925, 72.5815, 36.2805

# Complementary

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



38.4138, 72.5815, 25.8949



46.5858, 23.3985, 30.0801

# 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.



123.9387, 72.5815, 90.7961



38.4138, 72.5815, 25.8949



89.6913, 72.5815, 261.7433

# Square

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



38.4138, 72.5815, 25.8949



46.3366, 72.5815, 237.5817



112.5711, 72.5815, 177.9053



98.0252, 72.5815, 13.6383



# Rectangle

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



38.4138, 72.5815, 25.8949



34.1245, 72.5815, 117.0559



112.5711, 72.5815, 177.9053



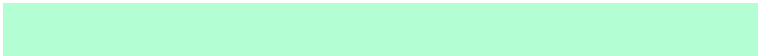
121.9528, 72.5815, 50.2833

# Sweetspot

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



38.4142, 72.5817, 25.8961



65.9428, 85.7273, 74.4367



48.1096, 77.8865, 12.4982



13.4412, 18.0210, 15.0459



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.



38.4142, 72.5817, 25.8961



38.4138, 72.5815, 25.8946



50.5756, 77.4463, 89.9373



18.0877, 20.2946, 20.7650



20.1426, 37.9536, 13.9019



2.0143, 3.7166, 1.6330



# Inverse Universe

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



46.5858, 23.3985, 30.0801



46.5854, 23.3982, 30.0785



41.3779, 21.3153, 2.6555



18.4515, 18.1639, 20.9946



24.4181, 12.2565, 16.1180

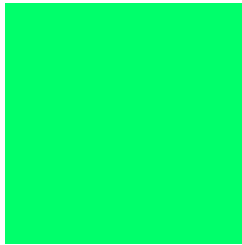


2.4321, 1.2152, 1.8567



# Previews

## White Background



This preview shows how the XYZ color 38.4138, 72.5815, 25.8949 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 38.4138, 72.5815, 25.8949 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 38.4138, 72.5815, 25.8949**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.4138, 72.5815, 25.8949.



This preview shows how white text looks on a background with the XYZ color 38.4138, 72.5815,



# Color Blindness Simulation

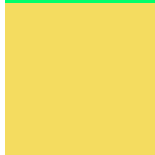
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

38.4138, 72.5815, 25.8949



### Protanopia

65.0127, 71.2640, 21.3951



### Deuteranopia

70.8693, 70.7813, 41.8252



## Tritanopia

56.0799, 71.7814, 105.5072

# Trichromacy



## Original Color

38.4138, 72.5815, 25.8949



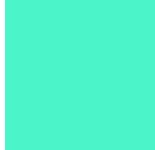
## Protanomaly

44.9567, 66.1665, 22.4585



## Deuteranomaly

47.3039, 65.0323, 34.4854



## Tritanomaly

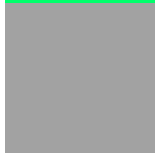
45.8738, 70.4549, 66.4397

# Monochromacy



## Original Color

38.4138, 72.5815, 25.8949



## Achromatopsia

34.3422, 36.1307, 39.3463



## Achromatomaly

30.2159, 44.3164, 32.5526

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.4138, 72.5815, 25.8949 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, 107)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 107)  
}
```

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, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 107) }
```

## Border

The CSS property to change the border of an element to XYZ 38.4138, 72.5815, 25.8949 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, 107) }
```



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

```
.border{ border-color:rgb(0, 255, 107) }
```

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, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 107);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
107) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.4138, 72.5815, 25.8949 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, 107) }
```

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

```
.background{ background-color: rgb(0, 255,  
107) }
```

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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