

# Converting Colors

XYZ(38.3306, 72.5519, 25.2836)

Have a look what the booklet for  
XYZ(38.3306, 72.5519, 25.2836)  
contains.

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# Color

**XYZ(38.3474, 72.5593,  
25.3488)**

# Conversions

## Conversions Part 1

Format	Color
Hex	03FF69
RGB	3, 255, 105
RGB Percent	1%, 100%, 41%
CMY	0.9882, 0.0000, 0.5882
CMYK	0.99, 0.00, 0.59, 0.00
HSL	144°, 100%, 51%
HSV	144°, 99%, 100%
XYZ	38.3474, 72.5593, 25.3488
YIQ	162.5520, -102.0420, -100.0740

# Conversions

## Conversions Part 2

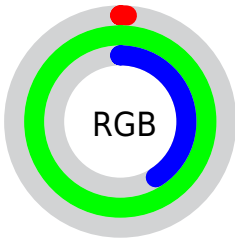
<b>Format</b>	<b>Color</b>
<b>RYB</b>	3, 182, 255
Decimal	261993
CIELab	88.24, -79.84, 56.68
CIELCh	88, 97.913, 144.625
Yxy	72.5593, 0.2814, 0.5325
Android (android.graphics.Color)	4278452073 (0xFF03FF69)
YUV	162.5520, -28.3731, -139.9271
Hunter-Lab	85.1817, -68.7103, 41.9834

# Details

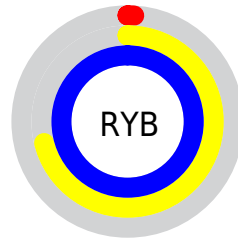
The XYZ color **38.3474, 72.5593, 25.3488** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **47.0234, 23.6257, 32.2235**, and the grayscale version is **34.7675, 36.5781, 39.8336**.

A 20% lighter version of the original color is **49.4413, 77.8400, 45.6765**, and **20.3157, 39.7101, 9.6117** is the 20% darker color. If you saturate the color by 10%, you get **38.2187, 72.5035, 24.8674**, and if you desaturate by 10%, it is **39.6544, 73.1347, 29.8541**.

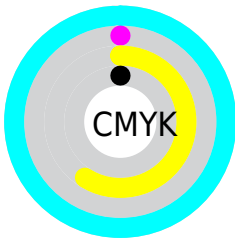
# Distribution



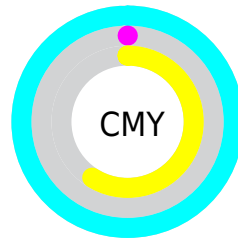
- Red (1%)
- Green (100%)
- Blue (41%)



- Red (1%)
- Yellow (71%)
- Blue (100%)



- Cyan (99%)
- Magenta (0%)
- Yellow (59%)
- Black (0%)




- Cyan (99%)
- Magenta (0%)
- Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3474, 72.5593, 25.3488 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 38.3474, 72.5593, 25.3488 by changing the saturation by 10% instead.





 38.3474, 72.5593,  
25.3488


 38.3474, 72.5593,  
25.3488


330.3630,  
469.4860, 293.0736

 26.4309, 53.6157,  
16.1157


 71.9408, 122.8514,  
53.1936


 17.2806, 38.2945,  
9.4508


 94.3483, 154.9686,  
72.6425


 10.5313, 26.2113,  
4.9356


 120.9836,  
192.2459, 96.3337

 5.8176, 16.9818,  
2.1514

 152.2119,  
235.0675, 124.6857

 2.7741, 10.2215,  
0.6461

 188.3987,  
283.8180, 158.1172

 1.0354, 5.5461,  
0.0000

229.9092,

 0.0000, 2.5711,

338.8816, 197.0467

0.0000

277.1089,  
400.6428, 241.8926

■ 0.0000, 0.9122,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 38.3474, 72.5593,  
25.3488

■ 38.3474, 72.5593,  
25.3488

■ 38.2187, 72.5035,  
24.8674

■ 39.6544, 73.1347,  
29.8541

■ 41.6809, 74.0642,  
35.1547

■ 44.5762, 75.4239,  
41.2921

■ 48.4448, 77.2671,  
48.3028

■ 53.3753, 79.6387,  
56.2207

■ 59.4460, 82.5785,  
65.0776

■ 66.7273, 86.1222,  
74.9038

■ 75.2838, 90.3026,  
85.7283

■ 85.1755, 95.1499,  
97.5786

# Harmonies

## Analogous

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



51.8326, 72.5593, 10.1590



38.3474, 72.5593, 25.3488



33.1111, 72.5593, 67.5160

# Triad

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



38.3474, 72.5593, 25.3488



64.8276, 72.5593, 289.9058



118.6085, 72.5593, 36.4899

# Complementary

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



38.3474, 72.5593, 25.3488



47.0234, 23.6257, 32.2235

# 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.



124.2988, 72.5593, 91.7281



38.3474, 72.5593, 25.3488



89.5102, 72.5593, 264.1221

# Square

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



38.3474, 72.5593, 25.3488



46.0177, 72.5593, 237.9913



112.6487, 72.5593, 179.8167



98.4993, 72.5593, 13.5626



# Rectangle

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



38.3474, 72.5593, 25.3488



33.8913, 72.5593, 116.2995



112.6487, 72.5593, 179.8167



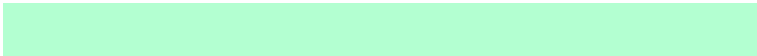
122.4381, 72.5593, 50.6801

# Sweetspot

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



38.3478, 72.5595, 25.3500



65.8011, 85.6706, 73.6905



49.1422, 78.4169, 12.6325



13.4080, 18.0077, 14.8709



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.



38.3478, 72.5595, 25.3500



38.2187, 72.5035, 24.8674



50.0528, 77.2415, 86.9879



18.0762, 20.2900, 20.7045



20.0393, 37.9123, 13.3584



2.0036, 3.7124, 1.5767



# Inverse Universe

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



47.0234, 23.6257, 32.2235



46.8904, 23.5201, 31.6843



41.4849, 21.4103, 3.0582



18.4633, 18.1686, 21.0566



24.5771, 12.3201, 16.9554

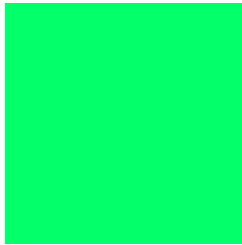


2.4471, 1.2212, 1.9360



# Previews

## White Background



This preview shows how the XYZ color 38.3474, 72.5593, 25.3488 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

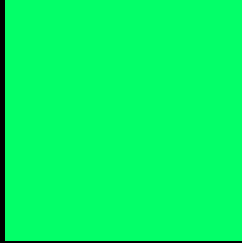
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.3474, 72.5593, 25.3488 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 38.3474, 72.5593, 25.3488**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.3474, 72.5593, 25.3488.



This preview shows how white text looks on a background with the XYZ color 38.3474, 72.5593,



# Color Blindness Simulation

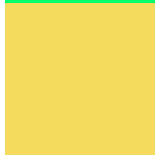
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

38.3474, 72.5593, 25.3488



### Protanopia

64.6601, 70.7043, 20.8290



### Deuteranopia

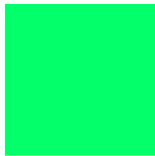
70.7842, 70.7473, 41.3773



## Tritanopia

56.0799, 71.7814, 105.5072

# Trichromacy



## Original Color

38.3474, 72.5593, 25.3488



## Protanomaly

44.7715, 65.6630, 21.8698



## Deuteranomaly

47.3630, 65.0795, 33.7322



## Tritanomaly

45.8366, 70.4493, 65.8258

# Monochromacy



## Original Color

38.3474, 72.5593, 25.3488



## Achromatopsia

34.8123, 36.6253, 39.8849



## Achromatomaly

30.4481, 44.4361, 32.5634

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.3474, 72.5593, 25.3488 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(3, 255, 105)` looks like.

```
.text, #text, p{  
    color:rgb(3, 255, 105)  
}
```

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(3, 255, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 255, 105) }
```

## Border

The CSS property to change the border of an element to XYZ 38.3474, 72.5593, 25.3488 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(3, 255, 105) }
```



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

```
.border{ border-color:rgb(3, 255, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 255, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 255, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 255, 105);  
box-shadow:4px 4px 4px 4px rgb(3, 255,  
105) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.3474, 72.5593, 25.3488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 255, 105) }
```

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

```
.background{ background-color: rgb(3, 255,  
105) }
```

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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