

# Converting Colors

XYZ(38.5285, 72.6274, 26.4990)

Have a look what the booklet for  
XYZ(38.5285, 72.6274, 26.4990)  
contains.

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# Color

**XYZ(38.5203, 72.6241,  
26.4556)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00FF6D
RGB	0, 255, 109
RGB Percent	0%, 100%, 43%
CMY	1.0000, 0.0000, 0.5725
CMYK	1.00, 0.00, 0.57, 0.00
HSL	146°, 100%, 50%
HSV	146°, 100%, 100%
XYZ	38.5203, 72.6241, 26.4556
YIQ	162.1110, -105.1140, -99.4660

# Conversions

## Conversions Part 2

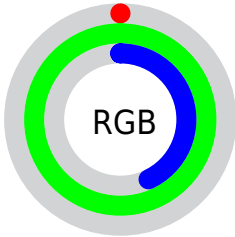
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 179, 255
Decimal	65389
CIELab	88.27, -79.42, 54.97
CIELCh	88, 96.586, 145.309
Yxy	72.6241, 0.2799, 0.5278
Android (android.graphics.Color)	4278255469 (0xFF00FF6D)
YUV	162.1110, -26.1837, -142.1713
Hunter-Lab	85.2198, -68.4506, 41.2479

# Details

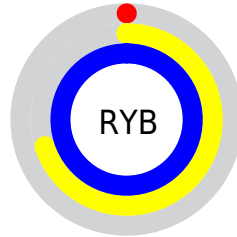
The XYZ color **38.5203, 72.6241, 26.4556** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **46.4290, 23.3358, 29.2544**, and the grayscale version is **34.5505, 36.3498, 39.5849**.

A 20% lighter version of the original color is **49.6633, 77.9133, 47.5432**, and **20.4058, 39.7462, 10.0863** is the 20% darker color. If you saturate the color by 10%, you get **38.5202, 72.6241, 26.4549**, and if you desaturate by 10%, it is **39.7867, 73.1785, 30.9657**.

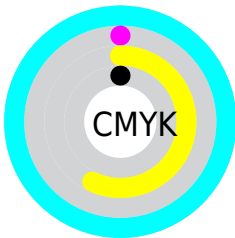
# Distribution



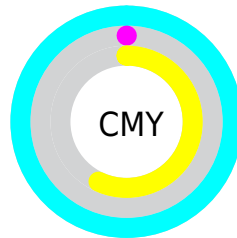
- Red (0%)
- Green (100%)
- Blue (43%)



- Red (0%)
- Yellow (70%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (57%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5203, 72.6241, 26.4556 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 38.5203, 72.6241, 26.4556 by changing the saturation by 10% instead.




 38.5203, 72.6241,  
26.4556


 38.5203, 72.6241,  
26.4556


331.0891,  
469.7110, 298.6878


 26.5658, 53.6687,  
16.9360


 72.2037, 122.9434,  
55.0021


 17.3823, 38.3368,  
10.0274


 94.6633, 155.0761,  
74.8661


 10.6044, 26.2442,  
5.3113


 121.3553,  
192.3699, 99.0152

 5.8668, 17.0064,  
2.3691

 152.6451,  
235.2094, 127.8681

 2.8042, 10.2391,  
0.7696

 188.8980,  
283.9788, 161.8433

 1.0511, 5.5578,  
0.0000

230.4794,

 0.0000, 2.5781,

339.0626, 201.3593

0.0000

277.7547,  
400.8452, 246.8346

■ 0.0000, 0.9157,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 38.5203, 72.6241,  
26.4556

■ 38.5203, 72.6241,  
26.4556


■ 38.5202, 72.6241,  
26.4549


■ 39.7867, 73.1785,  
30.9657


■ 41.7281, 74.0650,  
36.2192


■ 44.5150, 75.3710,  
42.2544


■ 48.2534, 77.1505,  
49.1042

 53.0329, 79.4490,  
56.7990

 58.9320, 82.3066,  
65.3675

 66.0215, 85.7591,  
74.8369

 74.3659, 89.8394,  
85.2334

 84.0253, 94.5778,  
96.5817

# Harmonies

## Analogous

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



51.6965, 72.6241, 10.7571



38.5203, 72.6241, 26.4556



33.4948, 72.6241, 69.1025

# Triad

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



38.5203, 72.6241, 26.4556



65.4508, 72.6241, 286.2605



117.5809, 72.6241, 36.1458

# Complementary

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



38.5203, 72.6241, 26.4556



46.4290, 23.3358, 29.2544

# 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.



123.5592, 72.6241, 89.9642



38.5203, 72.6241, 26.4556



89.8532, 72.6241, 259.3179

# Square

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



38.5203, 72.6241, 26.4556



46.6697, 72.6241, 236.9825



112.4655, 72.6241, 176.0592



97.5806, 72.6241, 13.7567



# Rectangle

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



38.5203, 72.6241, 26.4556



34.3856, 72.6241, 117.7243



112.4655, 72.6241, 176.0592



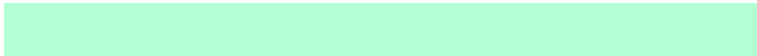
121.4631, 72.6241, 49.9727

# Sweetspot

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



38.5207, 72.6243, 26.4568



66.0179, 85.7574, 74.8324



48.1098, 77.8866, 12.4983



13.4588, 18.0281, 15.1388



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.



38.5207, 72.6243, 26.4568



38.5202, 72.6241, 26.4549



50.5757, 77.4463, 89.9375



18.0938, 20.2971, 20.7970



20.1988, 37.9761, 14.1980



2.0201, 3.7189, 1.6635



# Inverse Universe

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



46.4290, 23.3358, 29.2544



46.4285, 23.3354, 29.2523



41.3779, 21.3154, 2.6556



18.4453, 18.1614, 20.9620



24.3362, 12.2238, 15.6868

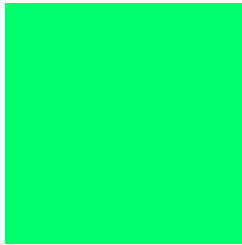


2.4243, 1.2121, 1.8156



# Previews

## White Background



This preview shows how the XYZ color 38.5203, 72.6241, 26.4556 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 38.5203, 72.6241, 26.4556 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 38.5203, 72.6241, 26.4556**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.5203, 72.6241, 26.4556.



This preview shows how white text looks on a background with the XYZ color 38.5203, 72.6241,



# 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

38.5203, 72.6241, 26.4556

### Protanopia

64.7600, 71.1229, 21.8702

### Deuteranopia

70.8693, 70.7813, 41.8252



## Tritanopia

56.0799, 71.7814, 105.5072

# Trichromacy



## Original Color

38.5203, 72.6241, 26.4556



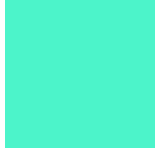
## Protanomaly

45.0548, 66.2057, 22.9747



## Deuteranomaly

47.3773, 65.0616, 34.8720



## Tritanomaly

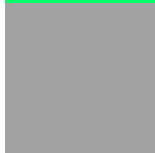
45.9918, 70.5021, 67.0614

# Monochromacy



## Original Color

38.5203, 72.6241, 26.4556



## 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 38.5203, 72.6241, 26.4556 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, 109)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 109)  
}
```

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, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 109) }
```

## Border

The CSS property to change the border of an element to XYZ 38.5203, 72.6241, 26.4556 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, 109) }
```



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

```
.border{ border-color:rgb(0, 255, 109) }
```

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, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 109);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
109) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.5203, 72.6241, 26.4556 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, 109) }
```

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

```
.background{ background-color: rgb(0, 255,  
109) }
```

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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