

Converting Colors

XYZ(38.2460, 72.5144, 25.0111)

Have a look what the booklet for
XYZ(38.2460, 72.5144, 25.0111)
contains.

XYZ(38.2587, 72.5195, 25.0779)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.2587, 72.5195,
25.0779)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF68
RGB	0, 255, 104
RGB Percent	0%, 100%, 41%
CMY	1.0000, 0.0000, 0.5921
CMYK	1.00, 0.00, 0.59, 0.00
HSL	144°, 100%, 50%
HSV	144°, 100%, 100%
XYZ	38.2587, 72.5195, 25.0779
YIQ	161.5410, -103.5090, -101.0210

Conversions

Conversions Part 2

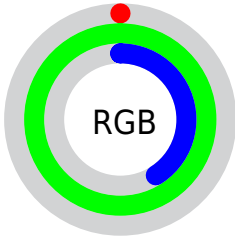
Format	Color
RYB	0, 181, 255
Decimal	65384
CIELab	88.22, -80.04, 57.09
CIELCh	88, 98.314, 144.500
Yxy	72.5195, 0.2816, 0.5338
Android (android.graphics.Color)	4278255464 (0xFF00FF68)
YUV	161.5410, -28.3677, -141.6715
Hunter-Lab	85.1584, -68.8333, 42.1508

Details

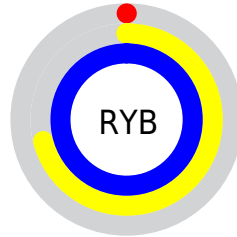
The XYZ color **38.2587, 72.5195, 25.0779** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **46.8266, 23.4948, 31.3478**, and the grayscale version is **34.2925, 36.0783, 39.2893**.

A 20% lighter version of the original color is **49.3541, 77.8051, 45.2175**, and **20.2734, 39.6933, 9.3894** is the 20% darker color. If you saturate the color by 10%, you get **38.2586, 72.5194, 25.0774**, and if you desaturate by 10%, it is **39.5097, 73.0676, 29.5068**.

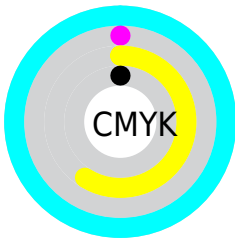
Distribution



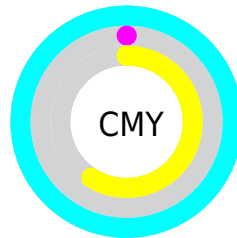
- Red (0%)
- Green (100%)
- Blue (41%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (59%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2587, 72.5195, 25.0779 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 38.2587, 72.5195, 25.0779 by changing the saturation by 10% instead.


 38.2587, 72.5195,
25.0779


 38.2587, 72.5195,
25.0779


329.9901,
469.3478, 291.6858


 26.3617, 53.5832,
15.9156


 71.8058, 122.7948,
52.7493


 17.2285, 38.2685,
9.3107


 94.1866, 154.9026,
72.0954


 10.4938, 26.1911,
4.8448


 120.7927,
192.1697, 95.6731

 5.7924, 16.9667,
2.0994

 151.9895,
234.9804, 123.9011

 2.7587, 10.2107,
0.6154

 188.1422,
283.7192, 157.1978

 1.0275, 5.5389,
0.0000

229.6164,

 0.0000, 2.5668,

338.7704, 195.9818

0.0000

276.7772,
400.5185, 240.6716

■ 0.0000, 0.9100,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.2587, 72.5195,
25.0779

■ 38.2587, 72.5195,
25.0779


■ 38.2586, 72.5194,
25.0774


■ 39.5097, 73.0676,
29.5068


■ 41.4432, 73.9510,
34.7189


■ 44.2304, 75.2572,
40.7565


■ 47.9782, 77.0404,
47.6557

 52.7766, 79.3465,
55.4501

 58.7047, 82.2157,
64.1714

 65.8337, 85.6840,
73.8496

 74.2289, 89.7845,
84.5133

 83.9506, 94.5479,
96.1899

Harmonies

Analogous

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



51.8119, 72.5195, 9.9964



38.2587, 72.5195, 25.0779



32.9810, 72.5195, 67.1794

Triad

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



38.2587, 72.5195, 25.0779



64.6805, 72.5195, 290.9938



118.8544, 72.5195, 36.4858

Complementary

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



38.2587, 72.5195, 25.0779



46.8266, 23.4948, 31.3478

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.



124.5015, 72.5195, 92.0462



38.2587, 72.5195, 25.0779



89.4500, 72.5195, 265.3656

Square

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



38.2587, 72.5195, 25.0779



45.8459, 72.5195, 238.4593



112.7258, 72.5195, 180.6718



98.6892, 72.5195, 13.4667

Rectangle

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



38.2587, 72.5195, 25.0779



33.7412, 72.5195, 116.0624



112.7258, 72.5195, 180.6718



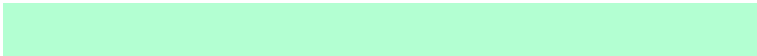
122.6814, 72.5195, 50.7521

Sweetspot

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



38.2590, 72.5196, 25.0791



65.8305, 85.6824, 73.8453



48.8977, 78.2927, 12.5351



13.4149, 18.0105, 14.9072



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.



38.2590, 72.5196, 25.0791



38.2586, 72.5194, 25.0774



49.9731, 77.2052, 86.7643



18.0786, 20.2910, 20.7171



20.0605, 37.9208, 13.4696



2.0058, 3.7132, 1.5883

Inverse Universe

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



46.8266, 23.4948, 31.3478



46.8261, 23.4944, 31.3459



41.4211, 21.3326, 2.8833



18.4608, 18.1676, 21.0437



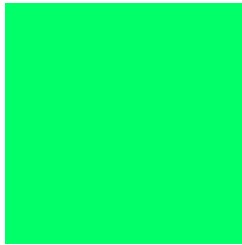
24.5436, 12.3067, 16.7790



2.4440, 1.2200, 1.9194

Previews

White Background



This preview shows how the XYZ color 38.2587, 72.5195, 25.0779 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 38.2587, 72.5195, 25.0779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

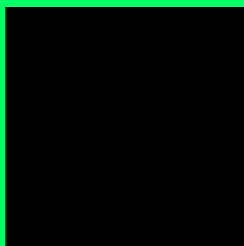
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.2587, 72.5195, 25.0779

Background



This preview shows how black text looks on a background with the XYZ color 38.2587, 72.5195, 25.0779.

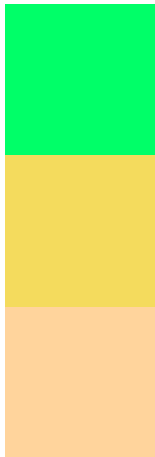


This preview shows how white text looks on a background with the XYZ color 38.2587, 72.5195,

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

38.2587, 72.5195, 25.0779

Protanopia

64.6155, 70.6864, 20.5942

Deuteranopia

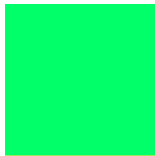
70.7842, 70.7473, 41.3773



Tritanopia

56.0799, 71.7814, 105.5072

Trichromacy



Original Color

38.2587, 72.5195, 25.0779



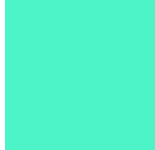
Protanomaly

44.5319, 65.5449, 21.6136



Deuteranomaly

47.1591, 64.9743, 33.7227



Tritanomaly

45.7565, 70.4080, 65.8221

Monochromacy



Original Color

38.2587, 72.5195, 25.0779



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

30.1412, 44.2865, 32.1588

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2587, 72.5195, 25.0779 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, 104)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 104)  
}
```

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, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 104) }
```

Border

The CSS property to change the border of an element to XYZ 38.2587, 72.5195, 25.0779 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, 104) }
```


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

```
.border{ border-color:rgb(0, 255, 104) }
```

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, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 104);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2587, 72.5195, 25.0779 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, 104) }
```

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

```
.background{ background-color: rgb(0, 255,  
104) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor