

Converting Colors

XYZ(38.1083, 69.4883, 33.0815)

Have a look what the booklet for
XYZ(38.1083, 69.4883, 33.0815)
contains.

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Color

**XYZ(38.1156, 69.4560,
33.2273)**

Conversions

Conversions Part 1

Format	Color
Hex	06F984
RGB	6, 249, 132
RGB Percent	2%, 98%, 52%
CMY	0.9764, 0.0235, 0.4823
CMYK	0.98, 0.00, 0.47, 0.02
HSL	151°, 95%, 50%
HSV	151°, 98%, 98%
XYZ	38.1156, 69.4560, 33.2273
YIQ	163.0050, -107.2710, -87.9030

Conversions

Conversions Part 2

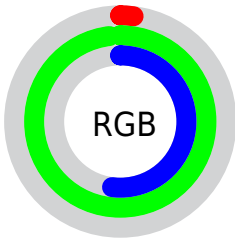
Format	Color
RYB	6, 166, 249
Decimal	457092
CIELab	86.73, -74.08, 42.47
CIELCh	87, 85.393, 150.176
Yxy	69.4560, 0.2707, 0.4933
Android (android.graphics.Color)	4278647172 (0xFF06F984)
YUV	163.0050, -15.2855, -137.6934
Hunter-Lab	83.3403, -64.2086, 34.6996

Details

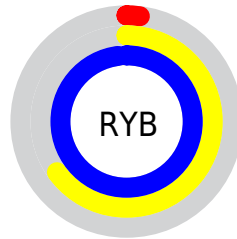
The XYZ color **38.1156, 69.4560, 33.2273** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **42.7097, 21.7015, 20.6813**, and the grayscale version is **34.9242, 36.7430, 40.0131**.

A 20% lighter version of the original color is **51.7999, 78.7527, 59.4844**, and **20.0788, 37.8408, 13.8352** is the 20% darker color. If you saturate the color by 10%, you get **37.8466, 69.3418, 32.1961**, and if you desaturate by 10%, it is **39.4730, 70.0573, 37.8247**.

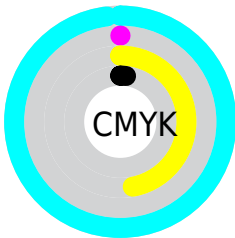
Distribution



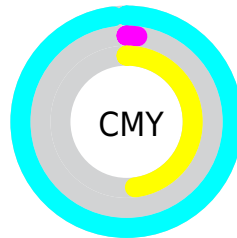
- Red (2%)
- Green (98%)
- Blue (52%)



- Red (2%)
- Yellow (65%)
- Blue (98%)



- Cyan (98%)
- Magenta (0%)
- Yellow (47%)
- Black (2%)





- Cyan (98%)
- Magenta (2%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1156, 69.4560, 33.2273 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 38.1156, 69.4560, 33.2273 by changing the saturation by 10% instead.


 38.1156, 69.4560,
33.2273


 38.1156, 69.4560,
33.2273


329.3879,
458.6376, 331.3361


 26.2500, 51.0832,
22.0281


 71.5880, 118.4326,
65.8503


 17.1445, 36.2748,
13.6790


 93.9256, 149.8052,
88.1112


 10.4335, 24.6465,
7.7616

 120.4846,
186.2799, 114.8964

 5.7518, 15.8139,
3.8572

 151.6304,
228.2410, 146.6245

 2.7339, 9.3925,
1.5473

 187.7282,
276.0729, 183.7140

 1.0147, 4.9981,
0.2528

229.1435,

 0.0000, 2.2461,

330.1600, 226.5834

0.0000

276.2416,
390.8868, 275.6512

■ 0.0000, 0.7450,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.1156, 69.4560,
33.2273

■ 38.1156, 69.4560,
33.2273

■ 37.8466, 69.3418,
32.1961

■ 39.4730, 70.0573,
37.8247

■ 41.4968, 70.9891,
42.9599

■ 44.3112, 72.3168,
48.6553

■ 48.0095, 74.0883,
54.9298

■ 52.6712, 76.3443,
61.8008

■ 58.3665, 79.1205,
69.2853

■ 65.1588, 82.4495,
77.3989

■ 73.1062, 86.3609,
86.1571

■ 82.2625, 90.8823,
95.5743

Harmonies

Analogous

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



48.6186, 69.4560, 15.0022



38.1156, 69.4560, 33.2273



34.7148, 69.4560, 75.9625

Triad

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



38.1156, 69.4560, 33.2273



66.1333, 69.4560, 246.2173



104.8436, 69.4560, 32.8919

Complementary

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



38.1156, 69.4560, 33.2273



42.7097, 21.7015, 20.6813

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.



112.0477, 69.4560, 75.2900



38.1156, 69.4560, 33.2273



87.1351, 69.4560, 215.0713

Square

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



38.1156, 69.4560, 33.2273



48.7846, 69.4560, 215.7469



105.0034, 69.4560, 144.1117



86.8907, 69.4560, 14.8881

Rectangle

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



38.1156, 69.4560, 33.2273



36.2641, 69.4560, 119.9737



105.0034, 69.4560, 144.1117



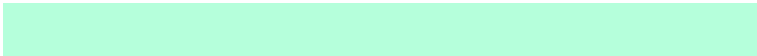
108.7461, 69.4560, 43.8248

Sweetspot

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



38.1173, 69.4588, 33.2289



67.6658, 86.4850, 80.4162



42.1441, 72.0120, 11.8512



13.8126, 18.1824, 16.4208



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.



38.1173, 69.4588, 33.2289



39.9397, 73.1919, 33.9300



49.8134, 72.1558, 100.9280



17.3932, 19.4596, 20.2712



20.3302, 37.1451, 17.6140



1.9365, 3.4617, 1.9136

Inverse Universe

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



42.7097, 21.7015, 20.6813



44.8016, 22.6846, 20.6851



39.2106, 20.3721, 2.0383



17.5928, 17.3645, 19.7112



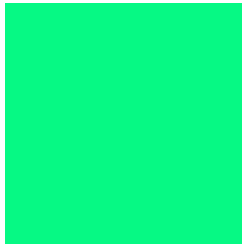
22.7942, 11.5334, 10.8906



2.1644, 1.0895, 1.2892

Previews

White Background



This preview shows how the XYZ color 38.1156, 69.4560, 33.2273 looks on a white background.

Color Contrast Check

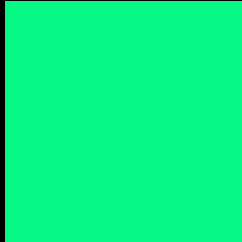
Large Text (above 18pt) WCAG AA × Fail

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 38.1156, 69.4560, 33.2273 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

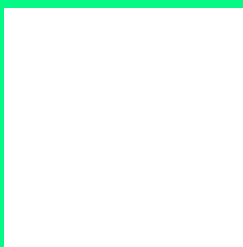
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.1156, 69.4560, 33.2273

Background



This preview shows how black text looks on a background with the XYZ color 38.1156, 69.4560, 33.2273.

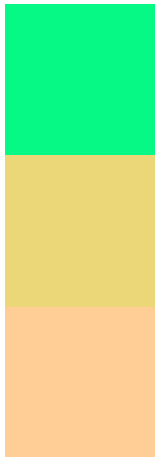


This preview shows how white text looks on a background with the XYZ color 38.1156, 69.4560,

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

38.1156, 69.4560, 33.2273

Protanopia

62.2827, 67.7898, 27.5714

Deuteranopia

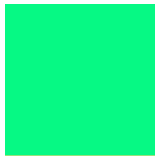
68.8163, 67.6046, 38.2761



Tritanopia

52.2138, 68.9521, 104.3231

Trichromacy



Original Color

38.1156, 69.4560, 33.2273



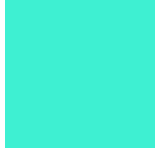
Protanomaly

44.0561, 63.0688, 28.9203



Deuteranomaly

46.3890, 62.1182, 35.5317



Tritanomaly

44.7796, 67.9975, 71.7375

Monochromacy



Original Color

38.1156, 69.4560, 33.2273



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

30.9031, 43.9147, 36.5534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1156, 69.4560, 33.2273 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(6, 249, 132)` looks like.

```
.text, #text, p{  
    color:rgb(6, 249, 132)  
}
```

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(6, 249, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 249, 132) }
```

Border

The CSS property to change the border of an element to XYZ 38.1156, 69.4560, 33.2273 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(6, 249, 132) }
```


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

```
.border{ border-color:rgb(6, 249, 132) }
```

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

Here you see how a box with a 4 pixel rgb(6, 249, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 249, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 249, 132);  
box-shadow:4px 4px 4px 4px rgb(6, 249,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1156, 69.4560, 33.2273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 249, 132) }
```

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

```
.background{ background-color: rgb(6, 249,  
132) }
```

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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