

Converting Colors

XYZ(38.0185, 69.6735, 32.0354)

Have a look what the booklet for
XYZ(38.0185, 69.6735, 32.0354)
contains.

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Color

**XYZ(38.1320, 69.9555,
31.9151)**

Conversions

Conversions Part 1

Format	Color
Hex	04FA80
RGB	4, 250, 128
RGB Percent	2%, 98%, 50%
CMY	0.9842, 0.0196, 0.4980
CMYK	0.98, 0.00, 0.49, 0.02
HSL	150°, 97%, 50%
HSV	150°, 98%, 98%
XYZ	38.1320, 69.9555, 31.9151
YIQ	162.5380, -107.4540, -90.0940

Conversions

Conversions Part 2

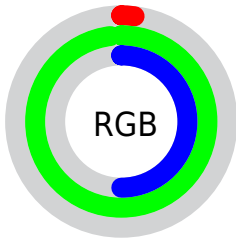
Format	Color
RYB	4, 168, 250
Decimal	326272
CIELab	86.98, -75.09, 44.69
CIElCh	87, 87.382, 149.241
Yxy	69.9555, 0.2724, 0.4997
Android (android.graphics.Color)	4278516352 (0xFF04FA80)
YUV	162.5380, -17.0272, -139.0378
Hunter-Lab	83.6394, -64.9891, 35.9237

Details

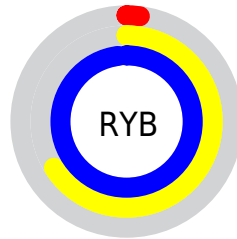
The XYZ color **38.1320, 69.9555, 31.9151** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **43.2369, 21.9190, 21.6985**, and the grayscale version is **34.7131, 36.5209, 39.7712**.

A 20% lighter version of the original color is **51.3775, 78.5837, 57.2601**, and **20.1541, 38.2211, 13.1527** is the 20% darker color. If you saturate the color by 10%, you get **37.9533, 69.8803, 31.2294**, and if you desaturate by 10%, it is **39.4576, 70.5407, 36.5031**.

Distribution



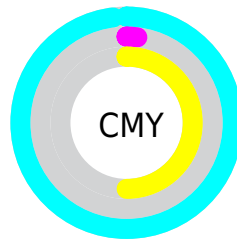
- Red (2%)
- Green (98%)
- Blue (50%)



- Red (2%)
- Yellow (66%)
- Blue (98%)



- Cyan (98%)
- Magenta (0%)
- Yellow (49%)
- Black (2%)





- Cyan (98%)
- Magenta (2%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1320, 69.9555, 31.9151 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 38.1320, 69.9555, 31.9151 by changing the saturation by 10% instead.


 38.1320, 69.9555,
31.9151


 38.1320, 69.9555,
31.9151


329.4569,
460.3937, 325.2131


 26.2628, 51.4903,
21.0324


 71.6130, 119.1453,
63.7743


 17.1541, 36.5989,
12.9562


 93.9556, 150.6386,
85.5879


 10.4404, 24.8971,
7.2680


 120.5200,
187.2435, 111.8822

 5.7564, 16.0004,
3.5493

 151.6715,
229.3442, 143.0757

 2.7368, 9.5244,
1.3815

 187.7757,
277.3252, 179.5871

 1.0161, 5.0848,
0.1272

229.1977,

 0.0000, 2.2971,

331.5708, 221.8347

0.0000

276.3030,
392.4656, 270.2372

■ 0.0000, 0.7722,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.1320, 69.9555,
31.9151

■ 38.1320, 69.9555,
31.9151

■ 37.9533, 69.8803,
31.2294

■ 39.4576, 70.5407,
36.5031

■ 41.4429, 71.4521,
41.6589

■ 44.2233, 72.7610,
47.4073

■ 47.8946, 74.5167,
53.7690

■ 52.5383, 76.7606,
60.7632

■ 58.2263, 79.5295,
68.4082

■ 65.0233, 82.8566,
76.7215

■ 72.9886, 86.7719,
85.7196

■ 82.1771, 91.3036,
95.4187

Harmonies

Analogous

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



49.0934, 69.9555, 14.1467



38.1320, 69.9555, 31.9151



34.4468, 69.9555, 74.6902

Triad

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



38.1320, 69.9555, 31.9151



65.9720, 69.9555, 253.0461



106.9794, 69.9555, 33.3812

Complementary

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



38.1320, 69.9555, 31.9151



43.2369, 21.9190, 21.6985

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.



113.9936, 69.9555, 77.6685



38.1320, 69.9555, 31.9151



87.5773, 69.9555, 222.4804

Square

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



38.1320, 69.9555, 31.9151



48.3614, 69.9555, 219.4515



106.2670, 69.9555, 149.3793



88.6639, 69.9555, 14.6370

Rectangle

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



38.1320, 69.9555, 31.9151



35.8790, 69.9555, 119.5687



106.2670, 69.9555, 149.3793



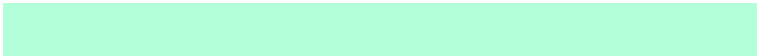
110.8849, 69.9555, 44.7933

Sweetspot

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



38.1337, 69.9583, 31.9167



66.7670, 86.0570, 78.7768



42.9633, 72.8956, 11.9214



13.6353, 18.0987, 16.0680



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.



38.1337, 69.9583, 31.9167



39.6910, 73.0924, 32.6205



51.4932, 75.3021, 102.2666



17.3824, 19.4552, 20.2141



20.2037, 37.0945, 16.9477



1.9247, 3.4570, 1.8516

Inverse Universe

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



43.2369, 21.9190, 21.6985



45.0365, 22.7786, 21.9223



39.4915, 20.4209, 1.9757



17.6036, 17.3688, 19.7682



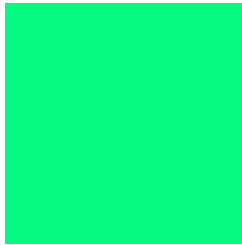
22.9140, 11.5813, 11.5213



2.1757, 1.0940, 1.3486

Previews

White Background



This preview shows how the XYZ color 38.1320, 69.9555, 31.9151 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 38.1320, 69.9555, 31.9151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

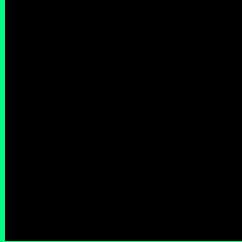
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

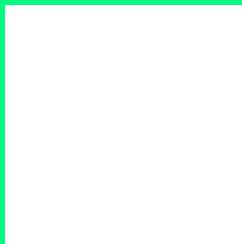
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.1320, 69.9555, 31.9151

Background



This preview shows how black text looks on a background with the XYZ color 38.1320, 69.9555, 31.9151.



This preview shows how white text looks on a background with the XYZ color 38.1320, 69.9555,

Color Blindness Simulation

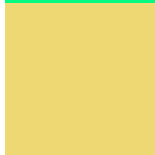
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

38.1320, 69.9555, 31.9151



Protanopia

62.9681, 68.5498, 26.4357



Deuteranopia

69.0578, 68.0877, 38.3567



Tritanopia

52.7648, 69.6438, 105.2693

Trichromacy



Original Color

38.1320, 69.9555, 31.9151



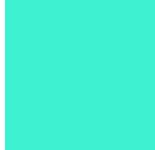
Protanomaly

44.2704, 63.6152, 27.7150



Deuteranomaly

46.5800, 62.6209, 35.2232



Tritanomaly

44.9505, 68.5382, 71.1817

Monochromacy



Original Color

38.1320, 69.9555, 31.9151



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

30.8458, 44.2355, 35.7667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1320, 69.9555, 31.9151 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(4, 250, 128)` looks like.

```
.text, #text, p{  
    color:rgb(4, 250, 128)  
}
```

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(4, 250, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 250, 128) }
```

Border

The CSS property to change the border of an element to XYZ 38.1320, 69.9555, 31.9151 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(4, 250, 128) }
```


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

```
.border{ border-color:rgb(4, 250, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 250, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 250, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 250, 128);  
box-shadow:4px 4px 4px 4px rgb(4, 250,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1320, 69.9555, 31.9151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 250, 128) }
```

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

```
.background{ background-color: rgb(4, 250,  
128) }
```

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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