

Converting Colors

XYZ(38.3136, 72.0685, 24.8767)

Have a look what the booklet for
XYZ(38.3136, 72.0685, 24.8767)
contains.

XYZ(38.3414, 72.0898, 24.9906)	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(38.3414, 72.0898,
24.9906)**

Conversions

Conversions Part 1

Format	Color
Hex	19FE68
RGB	25, 254, 104
RGB Percent	10%, 100%, 41%
CMY	0.9019, 0.0039, 0.5921
CMYK	0.90, 0.00, 0.59, 0.00
HSL	141°, 99%, 55%
HSV	141°, 90%, 100%
XYZ	38.3414, 72.0898, 24.9906
YIQ	168.4290, -88.3340, -95.1980

Conversions

Conversions Part 2

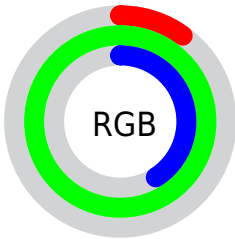
Format	Color
RYB	25, 195, 254
Decimal	1703528
CIELab	88.01, -78.88, 56.88
CIELCh	88, 97.251, 144.207
Yxy	72.0898, 0.2831, 0.5323
Android (android.graphics.Color)	4279893608 (0xFF19FE68)
YUV	168.4290, -31.7635, -125.7872
Hunter-Lab	84.9057, -67.9786, 41.9830

Details

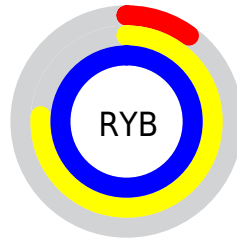
The XYZ color **38.3414, 72.0898, 24.9906** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark washed spring green. A complement of this color would be **48.9607, 24.8625, 42.7782**, and the grayscale version is **37.6149, 39.5739, 43.0959**.

A 20% lighter version of the original color is **49.9032, 78.0882, 45.2432**, and **20.2734, 39.6933, 9.3894** is the 20% darker color. If you saturate the color by 10%, you get **37.1892, 71.5849, 21.0086**, and if you desaturate by 10%, it is **40.2080, 72.9466, 29.9352**.

Distribution



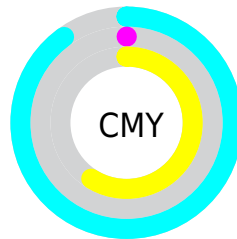
- Red (10%)
- Green (100%)
- Blue (41%)



- Red (10%)
- Yellow (76%)
- Blue (100%)



- Cyan (90%)
- Magenta (0%)
- Yellow (59%)
- Black (0%)





- Cyan (90%)
- Magenta (0%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3414, 72.0898, 24.9906 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 38.3414, 72.0898, 24.9906 by changing the saturation by 10% instead.


 38.3414, 72.0898,
24.9906


 38.3414, 72.0898,
24.9906


330.3378,
467.8541, 291.2373

 26.4262, 53.2320,
15.8511


 71.9316, 122.1842,
52.6059


 17.2771, 37.9880,
9.2656


 94.3374, 154.1896,
71.9188


 10.5288, 25.9734,
4.8157


 120.9707,
191.3464, 95.4599

 5.8159, 16.8037,
2.0827

 152.1969,
234.0389, 123.6477

 2.7730, 10.0947,
0.6054

 188.3813,
282.6515, 156.9008

 1.0349, 5.4618,
0.0000

229.8894,

 0.0000, 2.5207,

337.5686, 195.6378

0.0000

277.0864,
399.1747, 240.2771

■ 0.0000, 0.8870,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.3414, 72.0898,
24.9906

■ 38.3414, 72.0898,
24.9906


■ 37.1892, 71.5849,
21.0086


■ 40.2080, 72.9466,
29.9352


■ 42.9437, 74.2292,
35.8367


■ 46.6590, 75.9954,
42.7454

■ 51.4455, 78.2917,
50.7068

 57.3838, 81.1587,
59.7632

 64.5464, 84.6330,
69.9547

 73.0000, 88.7482,
81.3191

 82.8059, 93.5352,
93.8927

94.0217, 99.0229,
107.7099

Harmonies

Analogous

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



51.8136, 72.0898, 10.1320



38.3414, 72.0898, 24.9906



33.0423, 72.0898, 66.2974

Triad

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



38.3414, 72.0898, 24.9906



64.1166, 72.0898, 286.4186



117.7649, 72.0898, 36.9113

Complementary

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



38.3414, 72.0898, 24.9906



48.9607, 24.8625, 42.7782

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.



123.1439, 72.0898, 92.1006



38.3414, 72.0898, 24.9906



88.4773, 72.0898, 262.0735

Square

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



38.3414, 72.0898, 24.9906



45.6093, 72.0898, 234.3232



111.4249, 72.0898, 179.3729



98.0461, 72.0898, 13.7934

Rectangle

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



38.3414, 72.0898, 24.9906



33.7459, 72.0898, 114.1923



111.4249, 72.0898, 179.3729



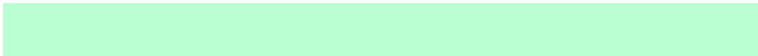
121.4721, 72.0898, 51.1379

Sweetspot

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



38.3431, 72.0927, 24.9922



67.6668, 86.6261, 74.0627



53.9035, 80.3828, 13.5944



13.8946, 18.2552, 15.0455



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.



38.3431, 72.0927, 24.9922



37.5202, 72.2241, 21.1890



48.2179, 76.0427, 76.9922



18.0302, 20.2716, 20.4621



19.6681, 37.7638, 11.4032



1.9641, 3.6966, 1.3687

Inverse Universe

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



48.9607, 24.8625, 42.7782



48.2179, 24.0512, 38.6751



42.1244, 22.1279, 6.7786



18.5108, 18.1876, 21.3072



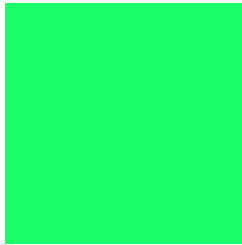
25.2679, 12.5965, 20.5932



2.5117, 1.2471, 2.2761

Previews

White Background



This preview shows how the XYZ color 38.3414, 72.0898, 24.9906 looks on a white background.

Color Contrast Check

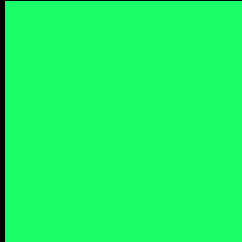
Large Text (above 18pt) WCAG AA × Fail

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 38.3414, 72.0898, 24.9906 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 38.3414, 72.0898, 24.9906

Background



This preview shows how black text looks on a background with the XYZ color 38.3414, 72.0898, 24.9906.

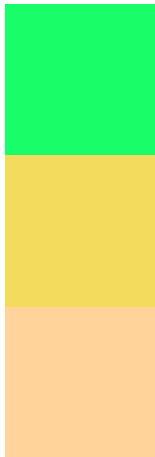


This preview shows how white text looks on a background with the XYZ color 38.3414, 72.0898,

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

38.3414, 72.0898, 24.9906

Protanopia

64.2694, 70.5080, 20.5780

Deuteranopia

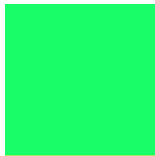
70.3670, 70.1816, 40.4095



Tritanopia

55.5366, 71.5014, 105.4818

Trichromacy



Original Color

38.3414, 72.0898, 24.9906



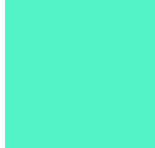
Protanomaly

46.3241, 66.4688, 21.6975



Deuteranomaly

48.7076, 65.3737, 33.3438



Tritanomaly

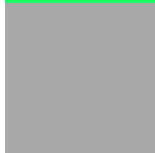
46.0432, 70.1103, 65.7495

Monochromacy



Original Color

38.3414, 72.0898, 24.9906



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

32.7367, 46.6042, 34.0582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3414, 72.0898, 24.9906 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(25, 254, 104)` looks like.

```
.text, #text, p{  
    color:rgb(25, 254, 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(25, 254, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 254, 104) }
```

Border

The CSS property to change the border of an element to XYZ 38.3414, 72.0898, 24.9906 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(25, 254, 104) }
```


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

```
.border{ border-color:rgb(25, 254, 104) }
```

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

Here you see how a box with a 4 pixel rgb(25, 254, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 254, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 254, 104);  
box-shadow:4px 4px 4px 4px rgb(25, 254,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3414, 72.0898, 24.9906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 254, 104) }
```

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

```
.background{ background-color: rgb(25, 254,  
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