

Converting Colors

XYZ(38.1619, 72.6932, 14.9699)

Have a look what the booklet for
XYZ(38.1619, 72.6932, 14.9699)
contains.

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Color

**XYZ(38.1779, 72.7024,
14.9265)**

Conversions

Conversions Part 1

Format	Color
Hex	3CFF31
RGB	60, 255, 49
RGB Percent	24%, 100%, 19%
CMY	0.7647, 0.0000, 0.8078
CMYK	0.76, 0.00, 0.81, 0.00
HSL	117°, 100%, 60%
HSV	117°, 81%, 100%
XYZ	38.1779, 72.7024, 14.9265
YIQ	173.2110, -50.0940, -105.4060

Conversions

Conversions Part 2

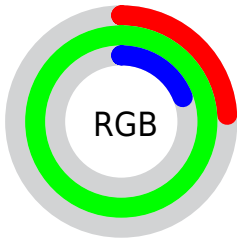
Format	Color
RYB	49, 255, 244
Decimal	3997489
CIELab	88.31, -80.68, 76.71
CIELCh	88, 111.326, 136.443
Yxy	72.7024, 0.3035, 0.5779
Android (android.graphics.Color)	4282187569 (0xFF3CFF31)
YUV	173.2110, -61.2360, -99.2860
Hunter-Lab	85.2657, -69.2912, 49.3068

Details

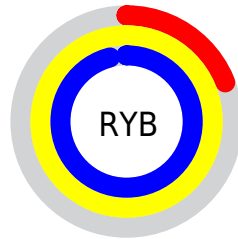
The XYZ color **38.1779, 72.7024, 14.9265** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **56.4600, 28.6521, 97.1624**, and the grayscale version is **40.1503, 42.2412, 46.0007**.

A 20% lighter version of the original color is **49.2219, 78.1155, 28.1063**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **36.6426, 71.9565, 12.7954**, and if you desaturate by 10%, it is **40.6821, 73.9126, 18.6914**.

Distribution



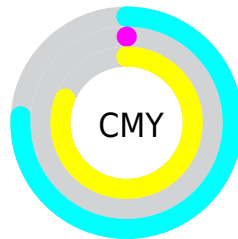
- Red (24%)
- Green (100%)
- Blue (19%)



- Red (19%)
- Yellow (100%)
- Blue (96%)



- Cyan (76%)
- Magenta (0%)
- Yellow (81%)
- Black (0%)





- Cyan (76%)
- Magenta (0%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1779, 72.7024, 14.9265 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 38.1779, 72.7024, 14.9265 by changing the saturation by 10% instead.


 38.1779, 72.7024,
14.9265


 38.1779, 72.7024,
14.9265


329.6502,
469.9827, 234.5463


 26.2986, 53.7327,
8.6218


 71.6829, 123.0546,
35.4647


 17.1810, 38.3880,
4.4019


 94.0393, 155.2059,
50.5352


 10.4598, 26.2839,
1.8483


 120.6188,
192.5198, 69.3647

 5.7694, 17.0362,
0.4595

 151.7868,
235.3808, 92.3718

 2.7447, 10.2603,
0.0000

 187.9085,
284.1731, 119.9749

 1.0202, 5.5719,
0.0000

229.3494,

 0.0000, 2.5865,

339.2813, 152.5927

0.0000

276.4749,
401.0897, 190.6437

■ 0.0000, 0.9199,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.1779, 72.7024,
14.9265

■ 38.1779, 72.7024,
14.9265

■ 36.6426, 71.9565,
12.7954


■ 40.6821, 73.9126,
18.6914


■ 35.9351, 71.6102,
11.9282


■ 44.2792, 75.6460,
24.3266


■ 49.0758, 77.9532,
32.0332


■ 55.1654, 80.8785,
41.9861

 62.6324, 84.4621,
54.3412

 71.5539, 88.7408,
69.2408

 82.0014, 93.7485,
86.8161

 94.0416, 99.5170,
107.1891

 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



55.5662, 72.7024, 5.3086



38.1779, 72.7024, 14.9265



30.2482, 72.7024, 49.4579

Triad

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



38.1779, 72.7024, 14.9265



57.7534, 72.7024, 325.3315



130.9517, 72.7024, 44.4137

Complementary

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



38.1779, 72.7024, 14.9265



56.4600, 28.6521, 97.1624

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.



131.9789, 72.7024, 118.8648



38.1779, 72.7024, 14.9265



84.6735, 72.7024, 320.4400

Square

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



38.1779, 72.7024, 14.9265



39.4219, 72.7024, 240.6373



113.3754, 72.7024, 229.8185



110.8517, 72.7024, 13.2705

Rectangle

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



38.1779, 72.7024, 14.9265



29.6150, 72.7024, 96.8292



113.3754, 72.7024, 229.8185



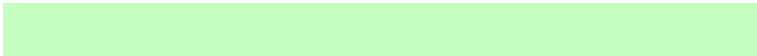
133.6890, 72.7024, 63.7836

Sweetspot

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



38.1782, 72.7025, 14.9277



68.5183, 87.2852, 64.1577



73.3291, 84.5508, 15.3619



13.9855, 18.3564, 12.5965



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.



38.1782, 72.7025, 14.9277



36.1080, 71.6945, 12.1550



41.6343, 74.0161, 36.2405



17.8612, 20.2144, 19.1047



18.8131, 37.4366, 6.2344



1.8619, 3.6606, 0.6084

Inverse Universe

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



56.4600, 28.6521, 97.1624



54.6830, 26.2283, 96.7882



49.1976, 26.2010, 38.4147



18.6913, 18.2481, 22.7870



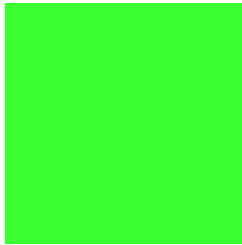
28.4982, 13.6018, 50.5580



2.8029, 1.3389, 4.9240

Previews

White Background



This preview shows how the XYZ color 38.1779, 72.7024, 14.9265 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 38.1779, 72.7024, 14.9265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

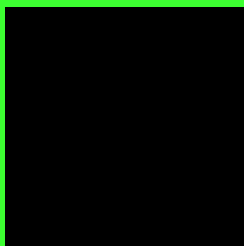
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.1779, 72.7024, 14.9265

Background



This preview shows how black text looks on a background with the XYZ color 38.1779, 72.7024, 14.9265.



This preview shows how white text looks on a background with the XYZ color 38.1779, 72.7024,

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

38.1779, 72.7024, 14.9265

Protanopia

64.3340, 71.1138, 12.3430

Deuteranopia

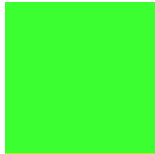
70.5393, 71.0505, 38.8505



Tritanopia

56.9384, 72.2240, 105.5474

Trichromacy



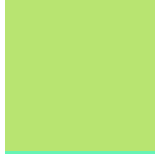
Original Color

38.1779, 72.7024, 14.9265



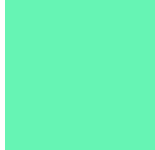
Protanomaly

48.1654, 68.0360, 12.8792



Deuteranomaly

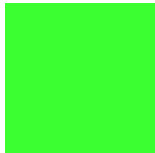
50.4912, 66.8694, 25.8687



Tritanomaly

46.0684, 70.8214, 54.4219

Monochromacy



Original Color

38.1779, 72.7024, 14.9265



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

34.7679, 49.1759, 28.0815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1779, 72.7024, 14.9265 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(60, 255, 49)` looks like.

```
.text, #text, p{  
    color:rgb(60, 255, 49)  
}
```

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(60, 255, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 255, 49) }
```

Border

The CSS property to change the border of an element to XYZ 38.1779, 72.7024, 14.9265 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(60, 255, 49) }
```


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

```
.border{ border-color:rgb(60, 255, 49) }
```

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

Here you see how a box with a 4 pixel rgb(60, 255, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 255, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 255, 49);  
box-shadow:4px 4px 4px 4px rgb(60, 255,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1779, 72.7024, 14.9265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 255, 49) }
```

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

```
.background{ background-color: rgb(60, 255,  
49) }
```

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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