

Converting Colors

XYZ(38.1549, 72.6357, 17.4056)

Have a look what the booklet for
XYZ(38.1549, 72.6357, 17.4056)
contains.

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Color

**XYZ(38.1686, 72.6412,
17.4783)**

Conversions

Conversions Part 1

Format	Color
Hex	33FF44
RGB	51, 255, 68
RGB Percent	20%, 100%, 27%
CMY	0.8000, 0.0000, 0.7333
CMYK	0.80, 0.00, 0.73, 0.00
HSL	125°, 100%, 60%
HSV	125°, 80%, 100%
XYZ	38.1686, 72.6412, 17.4783
YIQ	172.6860, -61.5570, -101.4050

Conversions

Conversions Part 2

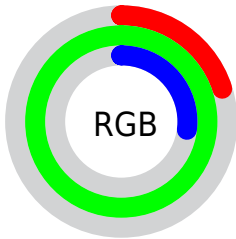
Format	Color
RYB	51, 239, 255
Decimal	3407684
CIELab	88.28, -80.58, 71.09
CIELCh	88, 107.458, 138.580
Yxy	72.6412, 0.2975, 0.5662
Android (android.graphics.Color)	4281597764 (0xFF33FF44)
YUV	172.6860, -51.6102, -106.7186
Hunter-Lab	85.2298, -69.2142, 47.5021

Details

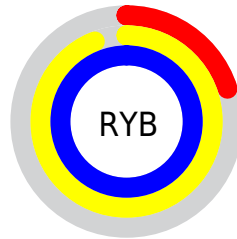
The XYZ color **38.1686, 72.6412, 17.4783** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **57.8553, 29.8002, 83.5858**, and the grayscale version is **39.8377, 41.9123, 45.6425**.

A 20% lighter version of the original color is **49.2636, 78.0389, 32.5452**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **36.6400, 71.9197, 14.3965**, and if you desaturate by 10%, it is **40.6852, 73.8390, 22.0920**.

Distribution



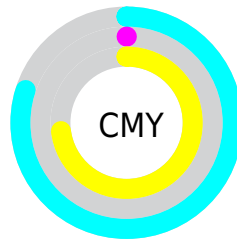
- Red (20%)
- Green (100%)
- Blue (27%)



- Red (20%)
- Yellow (94%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (73%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1686, 72.6412, 17.4783 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 38.1686, 72.6412, 17.4783 by changing the saturation by 10% instead.


 38.1686, 72.6412,
17.4783


 38.1686, 72.6412,
17.4783


329.6110,
469.7703, 250.0504


 26.2914, 53.6826,
10.4105


 71.6687, 122.9677,
39.9482


 17.1756, 38.3480,
5.5628


 94.0223, 155.1044,
56.1874


 10.4558, 26.2529,
2.5167


 120.5988,
192.4027, 76.3208

 5.7668, 17.0129,
0.8490

 151.7634,
235.2468, 100.7670

 2.7431, 10.2437,
0.0000

 187.8816,
284.0213, 129.9446

 1.0194, 5.5608,
0.0000

229.3187,

 0.0000, 2.5799,

339.1104, 164.2719

0.0000

276.4401,
400.8986, 204.1677

■ 0.0000, 0.9166,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.1686, 72.6412,
17.4783

■ 38.1686, 72.6412,
17.4783

■ 36.6400, 71.9197,
14.3965


■ 40.6852, 73.8390,
22.0920


■ 35.8978, 71.5751,
12.6455


■ 44.3199, 75.5769,
28.3978

■ 49.1838, 77.9092,
36.5396

■ 55.3743, 80.8833,
46.6449

 62.9790, 84.5418,
58.8300

 72.0779, 88.9238,
73.2020

 82.7451, 94.0653,
89.8607

95.0498, 99.9999,
108.8997

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.



54.4362, 72.6412, 6.4413



38.1686, 72.6412, 17.4783



30.9899, 72.6412, 54.2048

Triad

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



38.1686, 72.6412, 17.4783



59.6949, 72.6412, 315.4576



127.4236, 72.6412, 41.9650

Complementary

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



38.1686, 72.6412, 17.4783



57.8553, 29.8002, 83.5858

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.



129.8470, 72.6412, 110.6296



38.1686, 72.6412, 17.4783



86.0542, 72.6412, 304.0693

Square

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



38.1686, 72.6412, 17.4783



41.1904, 72.6412, 240.2310



113.2328, 72.6412, 214.9118



107.2599, 72.6412, 13.2888

Rectangle

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



38.1686, 72.6412, 17.4783



30.7407, 72.6412, 102.1948



113.2328, 72.6412, 214.9118



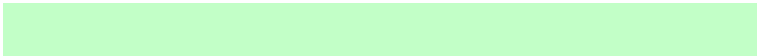
130.4975, 72.6412, 59.7664

Sweetspot

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



38.1688, 72.6412, 17.4794



68.2543, 87.0819, 67.1844



71.6174, 89.9362, 16.7167



13.9246, 18.3094, 13.2978



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.



38.1688, 72.6412, 17.4794



36.1299, 71.6827, 13.2014



44.3809, 75.1261, 50.1918



17.8330, 20.1927, 19.4237



18.7785, 37.4080, 6.7188



1.8484, 3.6503, 0.7598

Inverse Universe

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



57.8553, 29.8002, 83.5858



56.2871, 27.4560, 80.6207



46.8677, 25.4052, 25.7260



18.7235, 18.2727, 22.4270



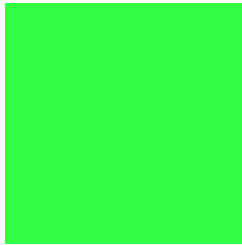
29.3167, 14.2160, 41.9137



2.8730, 1.3916, 4.1785

Previews

White Background



This preview shows how the XYZ color 38.1686, 72.6412, 17.4783 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 38.1686, 72.6412, 17.4783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

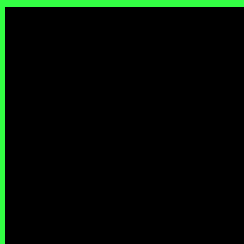
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.1686, 72.6412, 17.4783

Background



This preview shows how black text looks on a background with the XYZ color 38.1686, 72.6412, 17.4783.



This preview shows how white text looks on a background with the XYZ color 38.1686, 72.6412,

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

38.1686, 72.6412, 17.4783

Protanopia

64.3887, 71.0950, 14.4667

Deuteranopia

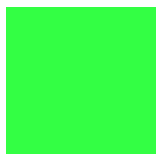
70.3694, 70.5813, 39.1928



Tritanopia

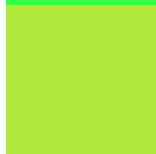
56.6464, 72.0735, 105.5337

Trichromacy



Original Color

38.1686, 72.6412, 17.4783



Protanomaly

47.6876, 67.7396, 15.1191



Deuteranomaly

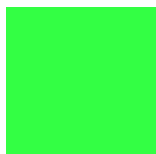
50.2506, 66.6910, 28.3133



Tritanomaly

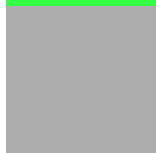
46.2501, 70.8306, 58.2478

Monochromacy



Original Color

38.1686, 72.6412, 17.4783



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

34.7824, 49.1283, 30.5712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1686, 72.6412, 17.4783 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(51, 255, 68)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 68)  
}
```

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(51, 255, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 68) }
```

Border

The CSS property to change the border of an element to XYZ 38.1686, 72.6412, 17.4783 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(51, 255, 68) }
```


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

```
.border{ border-color:rgb(51, 255, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 68);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1686, 72.6412, 17.4783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 68) }
```

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

```
.background{ background-color: rgb(51, 255,  
68) }
```

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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