

Converting Colors

XYZ(38.1109, 72.6181, 17.1744)

Have a look what the booklet for
XYZ(38.1109, 72.6181, 17.1744)
contains.

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Color

**XYZ(38.1086, 72.6172,
17.1622)**

Conversions

Conversions Part 1

Format	Color
Hex	33FF42
RGB	51, 255, 66
RGB Percent	20%, 100%, 26%
CMY	0.8000, 0.0000, 0.7411
CMYK	0.80, 0.00, 0.74, 0.00
HSL	124°, 100%, 60%
HSV	124°, 80%, 100%
XYZ	38.1086, 72.6172, 17.1622
YIQ	172.4580, -60.9150, -102.0270

Conversions

Conversions Part 2

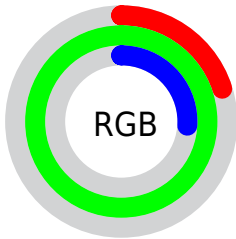
Format	Color
RYB	51, 241, 255
Decimal	3407682
CIELab	88.26, -80.72, 71.73
CIELCh	88, 107.990, 138.376
Yxy	72.6172, 0.2980, 0.5678
Android (android.graphics.Color)	4281597762 (0xFF33FF42)
YUV	172.4580, -52.4838, -106.5187
Hunter-Lab	85.2157, -69.3021, 47.7102

Details

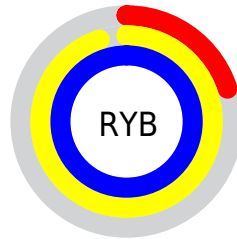
The XYZ color **38.1086, 72.6172, 17.1622** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **58.1510, 29.9185, 85.1426**, and the grayscale version is **39.7255, 41.7943, 45.5140**.

A 20% lighter version of the original color is **49.1345, 77.9872, 31.8654**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **36.5982, 71.9030, 14.1763**, and if you desaturate by 10%, it is **40.6102, 73.8090, 21.6969**.

Distribution



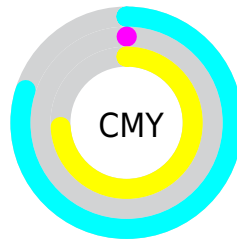
- Red (20%)
- Green (100%)
- Blue (26%)



- Red (20%)
- Yellow (95%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (74%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1086, 72.6172, 17.1622 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 38.1086, 72.6172, 17.1622 by changing the saturation by 10% instead.


 38.1086, 72.6172,
17.1622


 38.1086, 72.6172,
17.1622


329.3584,
469.6870, 248.1809

 26.2446, 53.6630,
10.1870


 71.5774, 122.9336,
39.3989


 17.1403, 38.3323,
5.4159


 93.9129, 155.0646,
55.4975


 10.4305, 26.2407,
2.4303


 120.4696,
192.3567, 75.4744

 5.7498, 17.0038,
0.8029

 151.6128,
235.1943, 99.7480

 2.7327, 10.2372,
0.0000

 187.7079,
283.9617, 128.7369

 1.0141, 5.5565,
0.0000

229.1204,

 0.0000, 2.5773,

339.0434, 162.8596

0.0000

276.2154,
400.8237, 202.5348

■ 0.0000, 0.9153,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.1086, 72.6172,
17.1622

■ 38.1086, 72.6172,
17.1622

■ 36.5982, 71.9030,
14.1763

■ 40.6102, 73.8090,
21.6969

■ 35.8755, 71.5662,
12.5282

■ 44.2345, 75.5428,
27.9481

■ 35.8755, 71.5662,
12.5282

■ 49.0938, 77.8732,
36.0651

■ 55.2862, 80.8480,
46.1805

■ 62.9002, 84.5103,
58.4146

■ 72.0165, 88.8993,
72.8782

■ 82.7099, 94.0512,
89.6745

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.



54.4935, 72.6172, 6.2825



38.1086, 72.6172, 17.1622



30.8566, 72.6172, 53.6918

Triad

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



38.1086, 72.6172, 17.1622



59.4730, 72.6172, 316.8688



127.8235, 72.6172, 42.1168

Complementary

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



38.1086, 72.6172, 17.1622



58.1510, 29.9185, 85.1426

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.



130.1244, 72.6172, 111.3940



38.1086, 72.6172, 17.1622



85.9237, 72.6172, 306.0360

Square

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



38.1086, 72.6172, 17.1622



40.9658, 72.6172, 240.5746



113.2933, 72.6172, 216.5081



107.6249, 72.6172, 13.2232

Rectangle

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



38.1086, 72.6172, 17.1622



30.5712, 72.6172, 101.6936



113.2933, 72.6172, 216.5081



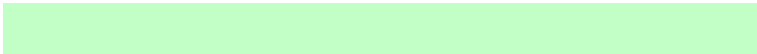
130.8732, 72.6172, 60.0746

Sweetspot

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



38.1088, 72.6172, 17.1633



68.1848, 87.0541, 66.8183



72.7699, 90.5303, 16.7707



13.9085, 18.3030, 13.2127



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.



38.1088, 72.6172, 17.1633



36.0998, 71.6707, 13.0429



44.0634, 74.9991, 48.5196



17.8258, 20.1898, 19.3855



18.7651, 37.4026, 6.6483



1.8450, 3.6489, 0.7417

Inverse Universe

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



58.1510, 29.9185, 85.1426



56.6356, 27.5954, 82.4558



47.1133, 25.5035, 27.0192



18.7316, 18.2760, 22.4697



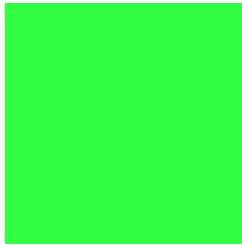
29.5027, 14.2904, 42.8930



2.8891, 1.3980, 4.2635

Previews

White Background



This preview shows how the XYZ color 38.1086, 72.6172, 17.1622 looks on a white background.

Color Contrast Check

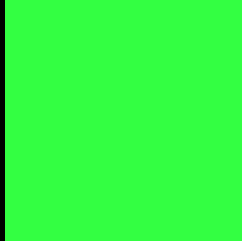
Large Text (above 18pt) WCAG AA × Fail

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 38.1086, 72.6172, 17.1622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

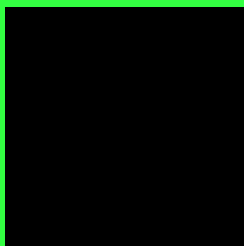
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.1086, 72.6172, 17.1622

Background



This preview shows how black text looks on a background with the XYZ color 38.1086, 72.6172, 17.1622.



This preview shows how white text looks on a background with the XYZ color 38.1086, 72.6172,

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

38.1086, 72.6172, 17.1622

Protanopia

64.3378, 71.0746, 14.1987

Deuteranopia

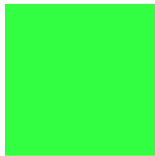
70.3694, 70.5813, 39.1928



Tritanopia

56.6464, 72.0735, 105.5337

Trichromacy



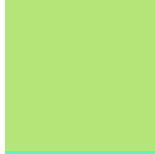
Original Color

38.1086, 72.6172, 17.1622



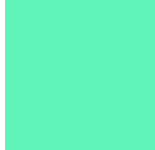
Protanomaly

47.6337, 67.7180, 14.8353



Deuteranomaly

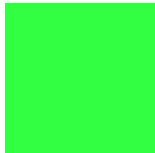
50.1896, 66.6666, 27.9920



Tritanomaly

46.1434, 70.7879, 57.6858

Monochromacy



Original Color

38.1086, 72.6172, 17.1622



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

34.2563, 48.5237, 29.7508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1086, 72.6172, 17.1622 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, 66)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 66)  
}
```

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, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 66) }
```

Border

The CSS property to change the border of an element to XYZ 38.1086, 72.6172, 17.1622 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, 66) }
```


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

```
.border{ border-color:rgb(51, 255, 66) }
```

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, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 66);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1086, 72.6172, 17.1622 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, 66) }
```

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

```
.background{ background-color: rgb(51, 255,  
66) }
```

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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