

Converting Colors

XYZ(38.6360, 72.8898, 17.1531)

Have a look what the booklet for
XYZ(38.6360, 72.8898, 17.1531)
contains.

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Color

**XYZ(38.6678, 72.9054,
17.1884)**

Conversions

Conversions Part 1

Format	Color
Hex	3DFF42
RGB	61, 255, 66
RGB Percent	24%, 100%, 26%
CMY	0.7608, 0.0000, 0.7411
CMYK	0.76, 0.00, 0.74, 0.00
HSL	122°, 100%, 62%
HSV	122°, 76%, 100%
XYZ	38.6678, 72.9054, 17.1884
YIQ	175.4480, -54.9550, -99.9070

Conversions

Conversions Part 2

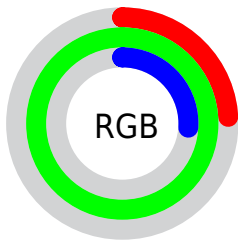
Format	Color
RYB	61, 250, 255
Decimal	4063042
CIELab	88.40, -79.52, 71.91
CIELCh	88, 107.217, 137.877
Yxy	72.9054, 0.3003, 0.5662
Android (android.graphics.Color)	4282253122 (0xFF3DFF42)
YUV	175.4480, -53.9579, -100.3709
Hunter-Lab	85.3847, -68.5866, 47.8339

Details

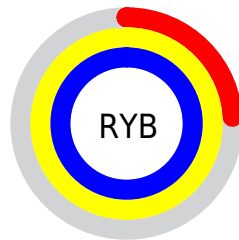
The XYZ color **38.6678, 72.9054, 17.1884** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **60.1630, 31.4992, 93.3457**, and the grayscale version is **41.2720, 43.4213, 47.2858**.

A 20% lighter version of the original color is **49.9429, 78.4039, 31.9032**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **36.8734, 72.0474, 14.0761**, and if you desaturate by 10%, it is **41.5258, 74.2750, 22.0113**.

Distribution



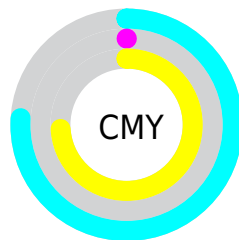
- Red (24%)
- Green (100%)
- Blue (26%)



- Red (24%)
- Yellow (98%)
- Blue (100%)



- Cyan (76%)
- Magenta (0%)
- Yellow (74%)
- Black (0%)





- Cyan (76%)
- Magenta (0%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6678, 72.9054, 17.1884 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 38.6678, 72.9054, 17.1884 by changing the saturation by 10% instead.


 38.6678, 72.9054,
17.1884


 38.6678, 72.9054,
17.1884


331.7076,
470.6869, 248.3363


 26.6810, 53.8986,
10.2055


 72.4279, 123.3429,
39.4445


 17.4691, 38.5206,
5.4281


 94.9318, 155.5424,
55.5548

 10.6669, 26.3870,
2.4374


 121.6722,
192.9083, 75.5447

 5.9089, 17.1134,
0.8067

 153.0143,
235.8249, 99.8326

 2.8299, 10.3154,
0.0000

 189.3236,
284.6767, 128.8373

 1.0645, 5.6085,
0.0000

230.9653,

 0.0000, 2.6085,

339.8480, 162.9771

0.0000

278.3048,
401.7233, 202.6706

■ 0.0000, 0.9310,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.6678, 72.9054,
17.1884

■ 38.6678, 72.9054,
17.1884

■ 36.8734, 72.0474,
14.0761

■ 41.5258, 74.2750,
22.0113

■ 35.9811, 71.6229,
12.4312

■ 45.5766, 76.2185,
28.7385

■ 35.7961, 71.5344,
12.1099

■ 50.9318, 78.7900,
37.5411

■ 57.6900, 82.0368,
48.5705

■ 65.9405, 86.0022,
61.9641

■ 75.7649, 90.7255,
77.8479

■ 87.2391, 96.2433,
96.3393

■ 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.



55.1753, 72.9054, 6.4498



38.6678, 72.9054, 17.1884



31.2740, 72.9054, 53.1624

Triad

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



38.6678, 72.9054, 17.1884



59.4043, 72.9054, 314.5070



127.9288, 72.9054, 43.3148

Complementary

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



38.6678, 72.9054, 17.1884



60.1630, 31.4992, 93.3457

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.



129.8750, 72.9054, 113.0539



38.6678, 72.9054, 17.1884



85.6375, 72.9054, 305.3702

Square

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



38.6678, 72.9054, 17.1884



41.0998, 72.9054, 237.9154



112.9046, 72.9054, 217.5948



108.1066, 72.9054, 13.8077

Rectangle

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



38.6678, 72.9054, 17.1884



30.9005, 72.9054, 100.4507



112.9046, 72.9054, 217.5948



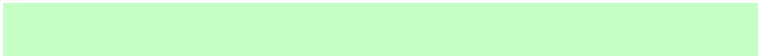
130.8462, 72.9054, 61.4860

Sweetspot

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



38.6681, 72.9055, 17.1896



68.7934, 87.3737, 66.5827



76.6627, 92.5088, 18.2304



14.0113, 18.3586, 13.0964



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.



38.6681, 72.9055, 17.1896



36.3332, 71.7900, 13.1004



44.1381, 75.0936, 45.9945



17.7906, 20.1758, 19.2002



18.7124, 37.3816, 6.3709



1.8283, 3.6423, 0.6539

Inverse Universe

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



60.1630, 31.4992, 93.3457



58.6460, 28.7110, 92.0822



48.8056, 26.9563, 33.5385



18.7712, 18.2918, 22.6784



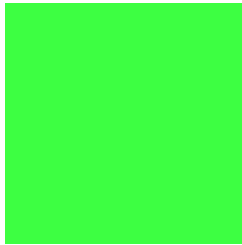
30.4451, 14.6673, 47.8560



2.9705, 1.4306, 4.6921

Previews

White Background



This preview shows how the XYZ color 38.6678, 72.9054, 17.1884 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 38.6678, 72.9054, 17.1884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

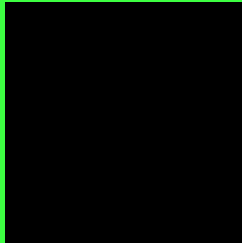
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.6678, 72.9054, 17.1884

Background



This preview shows how black text looks on a background with the XYZ color 38.6678, 72.9054, 17.1884.

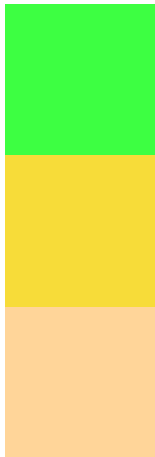


This preview shows how white text looks on a background with the XYZ color 38.6678, 72.9054,

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

38.6678, 72.9054, 17.1884

Protanopia

64.6895, 71.2560, 14.2152

Deuteranopia

70.7840, 71.1484, 40.1393



Tritanopia

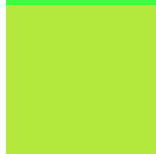
57.0866, 72.3004, 105.5543

Trichromacy



Original Color

38.6678, 72.9054, 17.1884



Protanomaly

48.5449, 68.1878, 14.8779



Deuteranomaly

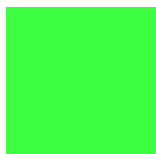
50.9618, 67.0576, 28.3466



Tritanomaly

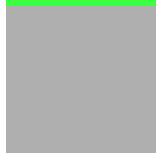
46.8071, 71.1301, 57.7169

Monochromacy



Original Color

38.6678, 72.9054, 17.1884



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

35.7976, 50.0033, 30.6865

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6678, 72.9054, 17.1884 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(61, 255, 66)` looks like.

```
.text, #text, p{  
    color:rgb(61, 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(61, 255, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 255, 66) }
```

Border

The CSS property to change the border of an element to XYZ 38.6678, 72.9054, 17.1884 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(61, 255, 66) }
```


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

```
.border{ border-color:rgb(61, 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(61, 255, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 255, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 255, 66);  
box-shadow:4px 4px 4px 4px rgb(61, 255,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6678, 72.9054, 17.1884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 255, 66) }
```

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

```
.background{ background-color: rgb(61, 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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