

Converting Colors

XYZ(38.3578, 71.3342, 17.0593)

Have a look what the booklet for
XYZ(38.3578, 71.3342, 17.0593)
contains.

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Color

**XYZ(38.3493, 71.3281,
17.0567)**

Conversions

Conversions Part 1

Format	Color
Hex	46FC43
RGB	70, 252, 67
RGB Percent	27%, 99%, 26%
CMY	0.7255, 0.0117, 0.7372
CMYK	0.72, 0.00, 0.73, 0.01
HSL	119°, 97%, 63%
HSV	119°, 73%, 99%
XYZ	38.3493, 71.3281, 17.0567
YIQ	176.4920, -49.0870, -96.1190

Conversions

Conversions Part 2

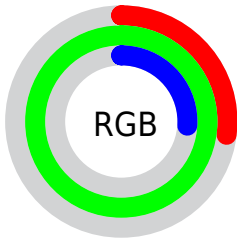
Format	Color
RYB	67, 252, 249
Decimal	4652099
CIELab	87.64, -77.27, 70.88
CIElCh	88, 104.861, 137.470
Yxy	71.3281, 0.3026, 0.5628
Android (android.graphics.Color)	4282842179 (0xFF46FC43)
YUV	176.4920, -53.9796, -93.3935
Hunter-Lab	84.4560, -66.7456, 47.1450

Details

The XYZ color **38.3493, 71.3281, 17.0567** 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 **58.6499, 31.1855, 95.0274**, and the grayscale version is **41.8176, 43.9953, 47.9109**.

A 20% lighter version of the original color is **50.8536, 78.8660, 32.2811**, and **19.2918, 38.5836, 6.4306** is the 20% darker color. If you saturate the color by 10%, you get **36.3176, 70.3520, 13.8376**, and if you desaturate by 10%, it is **41.4505, 72.8218, 22.0442**.

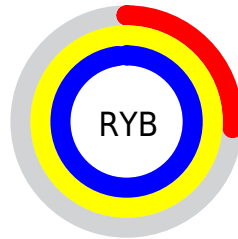
Distribution



Red (27%)

Green (99%)

Blue (26%)



Red (26%)

Yellow (99%)

Blue (98%)

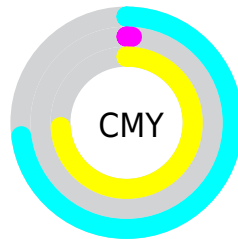


Cyan (72%)

Magenta (0%)

Yellow (73%)

Black (1%)



Cyan (73%)


Magenta (1%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3493, 71.3281, 17.0567 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 38.3493, 71.3281, 17.0567 by changing the saturation by 10% instead.


 38.3493, 71.3281,
17.0567


 38.3493, 71.3281,
17.0567


330.3710,
465.1996, 247.5539

 26.4323, 52.6100,
10.1125


 71.9437, 121.1008,
39.2152


 17.2817, 37.4915,
5.3671


 94.3518, 152.9242,
55.2667


 10.5321, 25.5883,
2.4017


 120.9877,
189.8847, 75.1910

 5.8181, 16.5159,
0.7874

 152.2167,
232.3669, 99.4066

 2.7744, 9.8899,
0.0000

 188.4042,
280.7551, 128.3322

 1.0356, 5.3260,
0.0000

229.9155,

 0.0000, 2.4398,

335.4337, 162.3863

0.0000

277.1160,
396.7870, 201.9873

■ 0.0000, 0.8463,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.3493, 71.3281,
17.0567

■ 38.3493, 71.3281,
17.0567

■ 36.3176, 70.3520,
13.8376

■ 41.4505, 72.8218,
22.0442

■ 35.2069, 69.8160,
12.1345

■ 45.7352, 74.8811,
28.9987

■ 34.8629, 69.6499,
11.6063

■ 51.3080, 77.5584,
38.0975

■ 58.2609, 80.8976,
49.4967

■ 66.6774, 84.9389,
63.3382

■ 76.6345, 89.7189,
79.7522

■ 88.2036, 95.2721,
98.8599

■ 94.1018, 98.1036,
108.5839

Harmonies

Analogous

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



54.4496, 71.3281, 6.6275



38.3493, 71.3281, 17.0567



31.0555, 71.3281, 51.6187

Triad

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



38.3493, 71.3281, 17.0567



57.9568, 71.3281, 302.1810



124.2889, 71.3281, 43.4251

Complementary

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



38.3493, 71.3281, 17.0567



58.6499, 31.1855, 95.0274

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.



125.8911, 71.3281, 111.2617



38.3493, 71.3281, 17.0567



83.1607, 71.3281, 294.6977

Square

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



38.3493, 71.3281, 17.0567



40.3742, 71.3281, 228.2676



109.4117, 71.3281, 211.5914



105.4567, 71.3281, 14.1994

Rectangle

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



38.3493, 71.3281, 17.0567



30.6226, 71.3281, 96.8302



109.4117, 71.3281, 211.5914



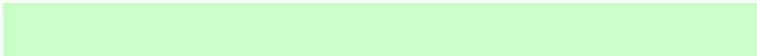
127.0000, 71.3281, 61.2104

Sweetspot

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



38.3510, 71.3311, 17.0583



69.8253, 87.8918, 67.2566



75.0112, 88.8043, 18.4988



14.3978, 18.5495, 13.4938



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.



38.3510, 71.3311, 17.0583



36.6694, 71.9609, 13.2260



43.1637, 73.2318, 43.5006



17.0433, 19.3226, 18.2938



18.1713, 36.2860, 6.0462



1.6918, 3.3653, 0.5604

Inverse Universe

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



58.6499, 31.1855, 95.0274



58.4464, 28.7570, 97.0779



48.7282, 27.3411, 37.1667



17.9637, 17.5094, 21.8182



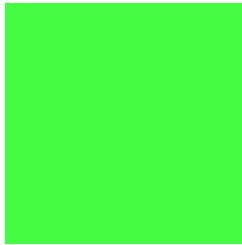
29.3167, 14.0560, 49.1415



2.7239, 1.3063, 4.5518

Previews

White Background



This preview shows how the XYZ color 38.3493, 71.3281, 17.0567 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 38.3493, 71.3281, 17.0567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

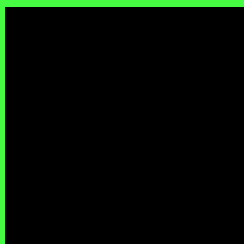
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.3493, 71.3281, 17.0567

Background



This preview shows how black text looks on a background with the XYZ color 38.3493, 71.3281, 17.0567.

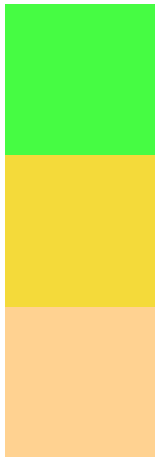


This preview shows how white text looks on a background with the XYZ color 38.3493, 71.3281,

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

38.3493, 71.3281, 17.0567

Protanopia

63.1434, 69.6814, 14.1248

Deuteranopia

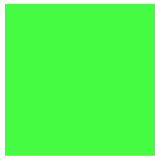
69.3974, 69.3975, 36.5255



Tritanopia

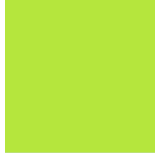
55.6238, 70.7100, 104.4826

Trichromacy



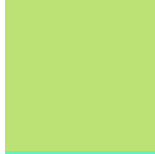
Original Color

38.3493, 71.3281, 17.0567



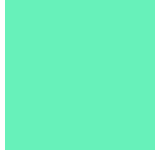
Protanomaly

48.1952, 66.7543, 14.7596



Deuteranomaly

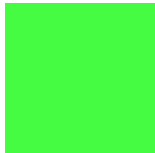
50.8751, 65.8261, 26.8539



Tritanomaly

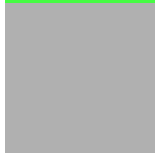
45.9117, 69.3393, 57.4184

Monochromacy



Original Color

38.3493, 71.3281, 17.0567



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

36.3533, 50.2817, 31.0819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3493, 71.3281, 17.0567 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(70, 252, 67)` looks like.

```
.text, #text, p{  
    color:rgb(70, 252, 67)  
}
```

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(70, 252, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 252, 67) }
```

Border

The CSS property to change the border of an element to XYZ 38.3493, 71.3281, 17.0567 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(70, 252, 67) }
```


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

```
.border{ border-color:rgb(70, 252, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 252, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 252, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 252, 67);  
box-shadow:4px 4px 4px 4px rgb(70, 252,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3493, 71.3281, 17.0567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 252, 67) }
```

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

```
.background{ background-color: rgb(70, 252,  
67) }
```

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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