

Converting Colors

XYZ(38.9502, 73.1223, 13.9806)

Have a look what the booklet for
XYZ(38.9502, 73.1223, 13.9806)
contains.

XYZ(38.9502, 73.1223, 13.9806)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.9502, 73.1223,
13.9806)**

Conversions

Conversions Part 1

Format	Color
Hex	4AFF27
RGB	74, 255, 39
RGB Percent	29%, 100%, 15%
CMY	0.7098, 0.0000, 0.8470
CMYK	0.71, 0.00, 0.85, 0.00
HSL	110°, 100%, 58%
HSV	110°, 85%, 100%
XYZ	38.9502, 73.1223, 13.9806
YIQ	176.2570, -38.5400, -105.5480

Conversions

Conversions Part 2

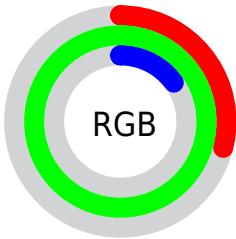
Format	Color
R _Y B	39, 255, 220
Decimal	4914983
CIE Lab	88.51, -79.07, 79.28
CIE LCh	89, 111.973, 134.922
Yxy	73.1223, 0.3090, 0.5801
Android (android.graphics.Color)	4283105063 (0xFF4AFF27)
YUV	176.2570, -67.6677, -89.6794
Hunter-Lab	85.5116, -68.3392, 50.1646

Details

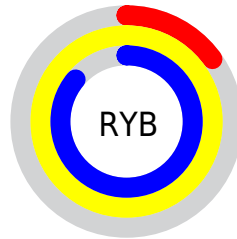
The XYZ color **38.9502, 73.1223, 13.9806** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **48.2954, 23.8897, 96.6735**, and the grayscale version is **41.7586, 43.9333, 47.8433**.

A 20% lighter version of the original color is **50.3941, 78.7637, 26.1825**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **37.2848, 72.2973, 12.3880**, and if you desaturate by 10%, it is **41.4578, 74.3487, 17.0931**.

Distribution



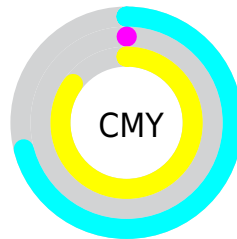
- Red (29%)
- Green (100%)
- Blue (15%)



- Red (15%)
- Yellow (100%)
- Blue (86%)



- Cyan (71%)
- Magenta (0%)
- Yellow (85%)
- Black (0%)




- Cyan (71%)
- Magenta (0%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9502, 73.1223, 13.9806 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 38.9502, 73.1223, 13.9806 by changing the saturation by 10% instead.


 38.9502, 73.1223,
13.9806


 38.9502, 73.1223,
13.9806


332.8895,
471.4386, 228.5343


 26.9015, 54.0760,
7.9686


 72.8568, 123.6508,
33.7712

 17.6355, 38.6624,
3.9874


 95.4454, 155.9018,
48.3869


 10.7867, 26.4972,
1.6184


 122.2781,
193.3231, 66.7076

 5.9898, 17.1960,
0.3039

 153.7202,
236.2992, 89.1518

 2.8795, 10.3743,
0.0000

 190.1370,
285.2143, 116.1380

 1.0904, 5.6478,
0.0000

231.8939,

 0.0170, 2.6321,

340.4530, 148.0848

0.0000

279.3563,
402.3996, 185.4107

0.0000, 0.9429,
0.0000

0.0000, 0.0000,
0.0000

38.9502, 73.1223,
13.9806

38.9502, 73.1223,
13.9806

37.2848, 72.2973,
12.3880


41.4578, 74.3487,
17.0931


36.6867, 71.9977,
11.9634


44.9070, 76.0222,
21.9827


49.3832, 78.1821,
28.8628

54.9616, 80.8633,
37.9159

 61.7102, 84.0973,
49.3036

 69.6915, 87.9131,
63.1726

 78.9634, 92.3376,
79.6573

 89.5801, 97.3962,
98.8825

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.



56.9902, 73.1223, 5.0771



38.9502, 73.1223, 13.9806



30.5068, 73.1223, 46.9115

Triad

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



38.9502, 73.1223, 13.9806



56.8715, 73.1223, 326.1438



132.5735, 73.1223, 47.1851

Complementary

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



38.9502, 73.1223, 13.9806



48.2954, 23.8897, 96.6735

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.



132.5176, 73.1223, 124.8074



38.9502, 73.1223, 13.9806



83.7195, 73.1223, 326.4104

Square

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



38.9502, 73.1223, 13.9806



38.8827, 73.1223, 237.1583



112.8994, 73.1223, 237.7476



113.0367, 73.1223, 14.0700

Rectangle

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



38.9502, 73.1223, 13.9806



29.5958, 73.1223, 93.0454



112.8994, 73.1223, 237.7476



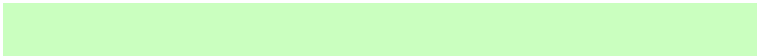
134.9823, 73.1223, 67.5484

Sweetspot

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



38.9504, 73.1224, 13.9817



69.4342, 87.7901, 62.7202



66.9385, 72.0708, 12.3036



14.2336, 18.4905, 12.3252



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.



38.9504, 73.1224, 13.9817



36.6867, 71.9977, 11.9634



39.4669, 73.0995, 27.0710



18.0456, 20.3094, 19.1133



19.2498, 37.6617, 6.2549



1.9486, 3.7053, 0.6125

Inverse Universe

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



48.2954, 23.8897, 96.6735



45.6925, 21.4702, 96.3436



50.5137, 26.1310, 47.1836



18.4868, 18.1427, 22.7775



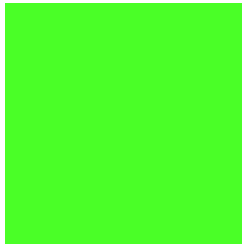
23.9829, 11.2741, 50.3467



2.4089, 1.1357, 4.9055

Previews

White Background



This preview shows how the XYZ color 38.9502, 73.1223, 13.9806 looks on a white background.

Color Contrast Check

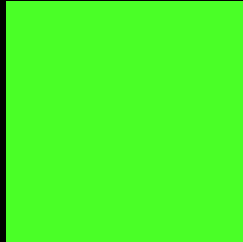
Large Text (above 18pt) WCAG AA × Fail

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 38.9502, 73.1223, 13.9806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

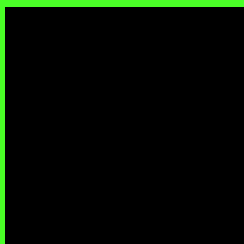
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.9502, 73.1223, 13.9806

Background



This preview shows how black text looks on a background with the XYZ color 38.9502, 73.1223, 13.9806.



This preview shows how white text looks on a background with the XYZ color 38.9502, 73.1223,

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

38.9502, 73.1223, 13.9806

Protanopia

64.5264, 71.2316, 11.5106

Deuteranopia

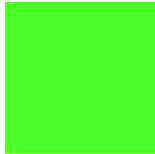
70.7017, 71.1155, 39.7060



Tritanopia

57.8499, 72.6939, 105.5901

Trichromacy



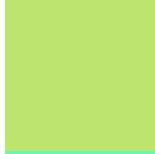
Original Color

38.9502, 73.1223, 13.9806



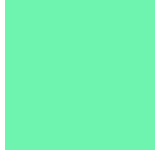
Protanomaly

49.4210, 68.7019, 12.0949



Deuteranomaly

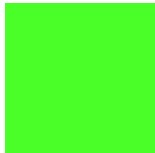
51.5989, 67.4533, 25.3392



Tritanomaly

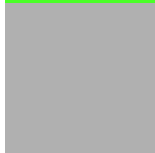
46.7427, 71.2155, 52.3567

Monochromacy



Original Color

38.9502, 73.1223, 13.9806



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

36.2447, 50.6580, 27.6063

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9502, 73.1223, 13.9806 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(74, 255, 39)` looks like.

```
.text, #text, p{  
    color:rgb(74, 255, 39)  
}
```

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(74, 255, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 255, 39) }
```

Border

The CSS property to change the border of an element to XYZ 38.9502, 73.1223, 13.9806 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(74, 255, 39) }
```


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

```
.border{ border-color:rgb(74, 255, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 255, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 255, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 255, 39);  
box-shadow:4px 4px 4px 4px rgb(74, 255,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9502, 73.1223, 13.9806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 255, 39) }
```

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

```
.background{ background-color: rgb(74, 255,  
39) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor