

Converting Colors

XYZ(38.5875, 61.6924, 9.8741)

Have a look what the booklet for
XYZ(38.5875, 61.6924, 9.8741)
contains.

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Color

**XYZ(38.7780, 61.9969,
9.9228)**

Conversions

Conversions Part 1

Format	Color
Hex	8AE600
RGB	138, 230, 0
RGB Percent	54%, 90%, 0%
CMY	0.4588, 0.0980, 0.9999
CMYK	0.40, 0.00, 1.00, 0.10
HSL	84°, 100%, 45%
HSV	84°, 100%, 90%
XYZ	38.7780, 61.9969, 9.9228
YIQ	176.2720, 18.9980, -91.0340

Conversions

Conversions Part 2

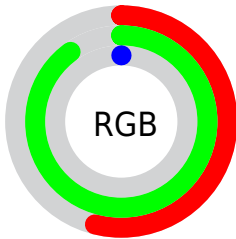
Format	Color
RYB	0, 230, 92
Decimal	9102848
CIELab	82.91, -55.50, 80.54
CIELCh	83, 97.809, 124.575
Yxy	61.9969, 0.3503, 0.5601
Android (android.graphics.Color)	4287292928 (0xFF8AE600)
YUV	176.2720, -86.9021, -33.5645
Hunter-Lab	78.7381, -49.8816, 47.6448

Details

The XYZ color **38.7780, 61.9969, 9.9228** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **18.7013, 7.9914, 75.4233**, and the grayscale version is **41.8451, 44.0243, 47.9425**.

A 20% lighter version of the original color is **60.8102, 84.2303, 22.2856**, and **18.1165, 31.8086, 5.1848** is the 20% darker color. If you saturate the color by 10%, you get **38.7771, 61.9984, 9.9231**, and if you desaturate by 10%, it is **40.5218, 62.8800, 10.8136**.

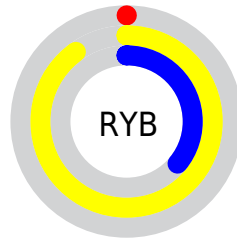
Distribution



Red (54%)

Green (90%)

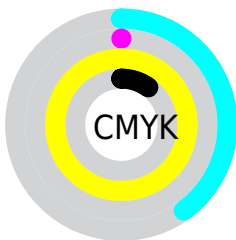
Blue (0%)



Red (0%)

Yellow (90%)

Blue (36%)

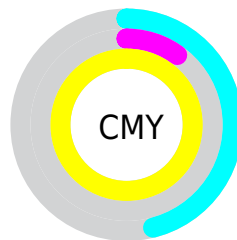


Cyan (40%)

Magenta (0%)

Yellow (100%)

Black (10%)



Cyan (46%)


Magenta (10%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7780, 61.9969, 9.9228 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 38.7780, 61.9969, 9.9228 by changing the saturation by 10% instead.


 38.7780, 61.9969,
9.9228


 38.7780, 61.9969,
9.9228


332.1692,
431.9198, 200.5849

 26.7670, 45.0302,
5.2429


 72.5953, 107.7211,
26.2557

 17.5340, 31.4812,
2.3292


 95.1323, 137.2473,
38.7458

 10.7136, 20.9656,
0.7475


 121.9087,
171.7288, 54.6764

 5.9405, 13.0988,
0.0000

 153.2899,
211.5500, 74.4659

 2.8492, 7.4966,
0.0000

 189.6412,
257.0954, 98.5330

 1.0745, 3.7746,
0.0000

 231.3279,

 0.0037, 1.5483,

308.7492, 127.2962

0.0000

278.7154,
366.8958, 161.1740

■ 0.0000, 0.3224,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.7780, 61.9969,
9.9228

■ 38.7780, 61.9969,
9.9228

■ 38.7771, 61.9984,
9.9231

■ 40.5218, 62.8800,
10.8136

■ 42.5803, 63.9020,
12.6783

■ 45.0165, 65.0907,
15.8268

■ 47.8672, 66.4612,
20.4384

■ 51.1638, 68.0263,
26.6638

■ 54.9341, 69.7974,
34.6349

■ 59.2031, 71.7849,
44.4701

■ 63.9938, 73.9983,
56.2773

■ 69.3278, 76.4463,
70.1564

Harmonies

Analogous

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



55.7505, 61.9969, 5.3033



38.7780, 61.9969, 9.9228



29.3636, 61.9969, 28.9088

Triad

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



38.7780, 61.9969, 9.9228



43.1730, 61.9969, 236.1199



109.3020, 61.9969, 58.6578

Complementary

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



38.7780, 61.9969, 9.9228



18.7013, 7.9914, 75.4233

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.



103.6668, 61.9969, 130.6575



38.7780, 61.9969, 9.9228



62.2203, 61.9969, 262.0871

Square

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



38.7780, 61.9969, 9.9228



31.4439, 61.9969, 157.1949



85.0667, 61.9969, 215.4109



99.0241, 61.9969, 20.7175

Rectangle

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



38.7780, 61.9969, 9.9228



27.0712, 61.9969, 57.1070



85.0667, 61.9969, 215.4109



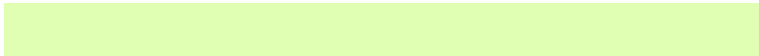
109.2228, 61.9969, 79.0922

Sweetspot

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



38.7794, 61.9996, 9.9241



74.7091, 90.6649, 55.9457



36.4638, 24.4818, 2.8045



15.4854, 19.1712, 10.7873



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.



38.7794, 61.9996, 9.9241



48.8934, 78.2905, 12.5346



28.6524, 56.7789, 9.4502



15.0145, 16.5145, 15.3007



22.0940, 35.1713, 5.6243



1.7368, 2.6527, 0.4205

Inverse Universe

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



18.7013, 7.9914, 75.4233



23.5316, 10.0459, 95.3065



40.0182, 18.9806, 76.4209



14.1258, 14.1671, 18.1343



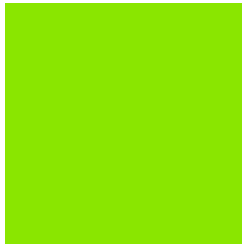
10.7151, 4.5897, 42.7043



0.8943, 0.3920, 3.1605

Previews

White Background



This preview shows how the XYZ color 38.7780, 61.9969, 9.9228 looks on a white background.

Color Contrast Check

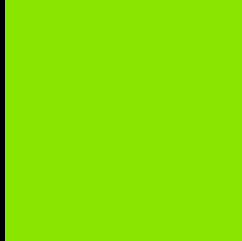
Large Text (above 18pt) WCAG AA × Fail

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 38.7780, 61.9969, 9.9228 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 38.7780, 61.9969, 9.9228

Background



This preview shows how black text looks on a background with the XYZ color 38.7780, 61.9969, 9.9228.



This preview shows how white text looks on a background with the XYZ color 38.7780, 61.9969,

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

38.7780, 61.9969, 9.9228

Protanopia

55.3500, 61.2984, 8.9145

Deuteranopia

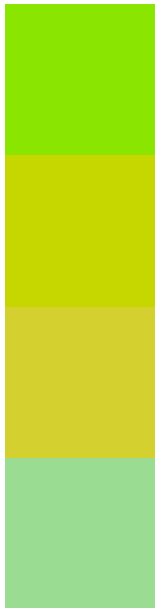
62.2160, 61.2343, 15.0188



Tritanopia

53.7802, 61.7552, 84.6867

Trichromacy



Original Color

38.7780, 61.9969, 9.9228

Protanomaly

47.5891, 60.6066, 9.1900

Deuteranomaly

50.2203, 59.3140, 11.4912

Tritanomaly

44.3772, 60.2615, 36.8965

Monochromacy



Original Color

38.7780, 61.9969, 9.9228

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

37.5648, 48.3311, 22.6782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7780, 61.9969, 9.9228 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(138, 230, 0)` looks like.

```
.text, #text, p{  
    color:rgb(138, 230, 0)  
}
```

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(138, 230, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 230, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.7780, 61.9969, 9.9228 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(138, 230, 0) }
```


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

```
.border{ border-color:rgb(138, 230, 0) }
```

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

Here you see how a box with a 4 pixel rgb(138, 230, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 230, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 230, 0);  
box-shadow:4px 4px 4px 4px rgb(138, 230,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7780, 61.9969, 9.9228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 230, 0) }
```

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

```
.background{ background-color: rgb(138,  
230, 0) }
```

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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