

Converting Colors

XYZ(38.1708, 61.4501, 9.8492)

Have a look what the booklet for
XYZ(38.1708, 61.4501, 9.8492)
contains.

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Color

**XYZ(38.0110, 61.1895,
9.8074)**

Conversions

Conversions Part 1

Format	Color
Hex	87E500
RGB	135, 229, 0
RGB Percent	53%, 90%, 0%
CMY	0.4706, 0.1019, 0.9999
CMYK	0.41, 0.00, 1.00, 0.10
HSL	85°, 100%, 45%
HSV	85°, 100%, 90%
XYZ	38.0110, 61.1895, 9.8074
YIQ	174.7880, 17.4850, -91.1470

Conversions

Conversions Part 2

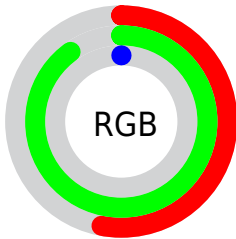
Format	Color
RYB	0, 229, 94
Decimal	8905984
CIELab	82.48, -56.11, 80.14
CIElCh	82, 97.830, 124.996
Yxy	61.1895, 0.3487, 0.5613
Android (android.graphics.Color)	4287096064 (0xFF87E500)
YUV	174.7880, -86.1705, -34.8941
Hunter-Lab	78.2237, -50.1536, 47.3230

Details

The XYZ color **38.0110, 61.1895, 9.8074** 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 **18.7638, 8.0398, 74.6950**, and the grayscale version is **41.0666, 43.2052, 47.0505**.

A 20% lighter version of the original color is **60.0271, 83.8267, 22.2489**, and **17.6912, 31.3036, 5.1098** is the 20% darker color. If you saturate the color by 10%, you get **38.0101, 61.1910, 9.8077**, and if you desaturate by 10%, it is **39.7464, 62.0683, 10.6926**.

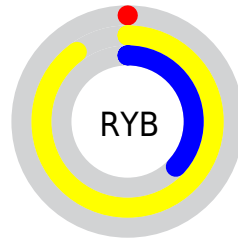
Distribution



Red (53%)

Green (90%)

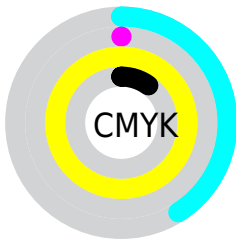
Blue (0%)



Red (0%)

Yellow (90%)

Blue (37%)

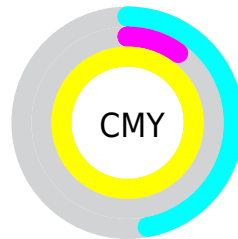


Cyan (41%)

Magenta (0%)

Yellow (100%)

Black (10%)



Cyan (47%)


Magenta (10%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0110, 61.1895, 9.8074 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 38.0110, 61.1895, 9.8074 by changing the saturation by 10% instead.


 38.0110, 61.1895,
9.8074


 38.0110, 61.1895,
9.8074


328.9472,
428.9685, 199.7265

 26.1685, 44.3781,
5.1675


 71.4288, 106.5533,
26.0347


 17.0831, 30.9679,
2.2854


 93.7348, 135.8744,
38.4593

 10.3894, 20.5744,
0.7230


 120.2593,
170.1343, 54.3157

 5.7221, 12.8133,
0.0000

 151.3677,
209.7174, 74.0227

 2.7159, 7.3001,
0.0000

 187.4253,
255.0079, 97.9988

 1.0054, 3.6505,
0.0000

 228.7975,

 0.0000, 1.4800,

306.3903, 126.6624

0.0000

275.8497,
364.2491, 160.4321

■ 0.0000, 0.2746,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.0110, 61.1895,
9.8074

■ 38.0110, 61.1895,
9.8074

■ 38.0101, 61.1910,
9.8077

■ 39.7464, 62.0683,
10.6926

■ 41.7995, 63.0879,
12.5417

■ 44.2328, 64.2758,
15.6621

■ 47.0832, 65.6470,
20.2311

■ 50.3819, 67.2145,
26.3979

■ 54.1565, 68.9896,
34.2928

■ 58.4322, 70.9826,
44.0331

■ 63.2318, 73.2031,
55.7255

■ 68.5769, 75.6599,
69.4689

Harmonies

Analogous

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



54.7269, 61.1895, 5.1514



38.0110, 61.1895, 9.8074



28.7981, 61.1895, 28.8402

Triad

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



38.0110, 61.1895, 9.8074



42.7641, 61.1895, 234.9766



108.1180, 61.1895, 57.0912

Complementary

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



38.0110, 61.1895, 9.8074



18.7638, 8.0398, 74.6950

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.



102.7427, 61.1895, 128.1191



38.0110, 61.1895, 9.8074



61.7312, 61.1895, 259.7970

Square

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



38.0110, 61.1895, 9.8074



31.0458, 61.1895, 156.9006



84.4030, 61.1895, 212.4981



97.7100, 61.1895, 19.9987

Rectangle

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



38.0110, 61.1895, 9.8074



26.5940, 61.1895, 57.0759



84.4030, 61.1895, 212.4981



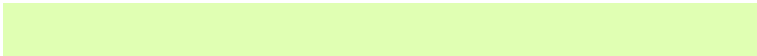
108.1173, 61.1895, 77.1838

Sweetspot

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



38.0124, 61.1922, 9.8087



74.4606, 90.5368, 55.9340



36.1092, 24.2477, 2.7780



15.4263, 19.1408, 10.7846



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.



38.0124, 61.1922, 9.8087



48.3947, 78.0334, 12.5113



28.3725, 56.2226, 9.3576



14.9995, 16.5068, 15.3000



21.8712, 35.0565, 5.6139



1.7211, 2.6446, 0.4198

Inverse Universe

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



18.7638, 8.0398, 74.6950



23.8394, 10.2046, 95.3209



39.6273, 18.7953, 75.6714



14.1404, 14.1746, 18.1350



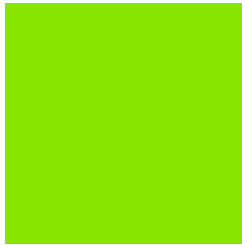
10.8554, 4.6620, 42.7109



0.9055, 0.3978, 3.1610

Previews

White Background



This preview shows how the XYZ color 38.0110, 61.1895, 9.8074 looks on a white background.

Color Contrast Check

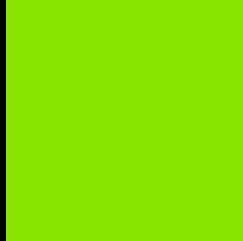
Large Text (above 18pt) WCAG AA × Fail

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 38.0110, 61.1895, 9.8074 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 38.0110, 61.1895, 9.8074

Background



This preview shows how black text looks on a background with the XYZ color 38.0110, 61.1895, 9.8074.



This preview shows how white text looks on a background with the XYZ color 38.0110, 61.1895,

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

38.0110, 61.1895, 9.8074

Protanopia

54.4644, 60.4856, 8.8043

Deuteranopia

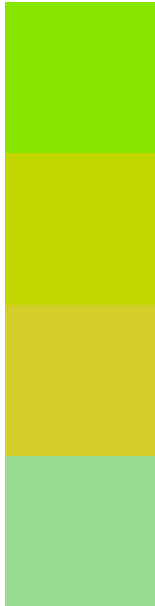
61.4290, 60.2025, 13.0852



Tritanopia

52.7751, 60.8787, 83.8321

Trichromacy



Original Color

38.0110, 61.1895, 9.8074

Protanomaly

46.5522, 59.6952, 9.0688

Deuteranomaly

49.5598, 58.6277, 10.7117

Tritanomaly

43.4687, 59.4138, 36.3711

Monochromacy



Original Color

38.0110, 61.1895, 9.8074

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

36.8816, 47.6515, 22.2927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0110, 61.1895, 9.8074 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(135, 229, 0)` looks like.

```
.text, #text, p{  
    color:rgb(135, 229, 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(135, 229, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 229, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.0110, 61.1895, 9.8074 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(135, 229, 0) }
```


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

```
.border{ border-color:rgb(135, 229, 0) }
```

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

Here you see how a box with a 4 pixel rgb(135, 229, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 229, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 229, 0);  
box-shadow:4px 4px 4px 4px rgb(135, 229,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0110, 61.1895, 9.8074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 229, 0) }
```

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

```
.background{ background-color: rgb(135,  
229, 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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