

Converting Colors

XYZ(38.4162, 58.5217, 9.2711)

Have a look what the booklet for
XYZ(38.4162, 58.5217, 9.2711)
contains.

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Color

**XYZ(38.5157, 58.6321,
9.2871)**

Conversions

Conversions Part 1

Format	Color
Hex	95DE00
RGB	149, 222, 0
RGB Percent	58%, 87%, 0%
CMY	0.4157, 0.1294, 0.9999
CMYK	0.33, 0.00, 1.00, 0.13
HSL	80°, 100%, 44%
HSV	80°, 100%, 87%
XYZ	38.5157, 58.6321, 9.2871
YIQ	174.8650, 27.7540, -84.5180

Conversions

Conversions Part 2

Format	Color
RYB	0, 222, 73
Decimal	9821696
CIELab	81.09, -48.49, 79.36
CIELCh	81, 92.997, 121.424
Yxy	58.6321, 0.3619, 0.5509
Android (android.graphics.Color)	4288011776 (0xFF95DE00)
YUV	174.8650, -86.2084, -22.6836
Hunter-Lab	76.5716, -44.2144, 46.4090

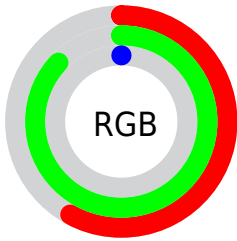
Details

The XYZ color **38.5157, 58.6321, 9.2871** is a dark color, and the websafe version is hex **99CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **15.9359, 6.6925, 69.5625**, and the grayscale version is **41.1027, 43.2432, 47.0919**.

A 20% lighter version of the original color is **63.4927, 85.6180, 22.1963**, and **17.8527, 29.4461, 4.7427** is the 20% darker color. If you saturate the color by 10%, you get **38.5152, 58.6338, 9.2875**, and if you desaturate by 10%, it is **40.0382, 59.4019, 10.1261**.

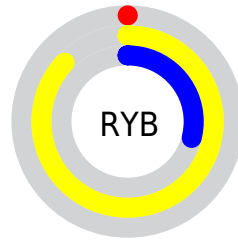
Distribution



Red (58%)

Green (87%)

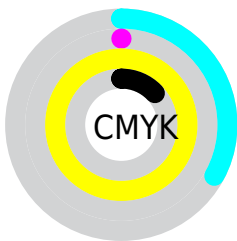
Blue (0%)



Red (0%)

Yellow (87%)

Blue (29%)

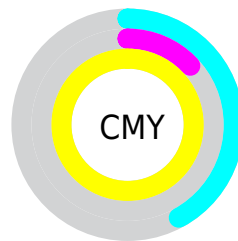


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (13%)



Cyan (42%)


Magenta (13%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5157, 58.6321, 9.2871 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 38.5157, 58.6321, 9.2871 by changing the saturation by 10% instead.


 38.5157, 58.6321,
9.2871


 38.5157, 58.6321,
9.2871


331.0698,
419.5372, 195.8017


 26.5622, 42.3170,
4.8296


 72.1967, 102.8428,
25.0322


 17.3796, 29.3496,
2.0906


 94.6549, 131.5072,
37.1568

 10.6025, 19.3455,
0.6102


 121.3454,
165.0568, 52.6742

 5.8655, 11.9202,
0.0000

 152.6336,
203.8760, 72.0029

 2.8034, 6.6893,
0.0000

 188.8848,
248.3493, 95.5615

 1.0506, 3.2686,
0.0000

 230.4643,

 0.0000, 1.2735,

298.8610, 123.7684

0.0000

277.7375,
355.7955, 157.0423

■ 0.0000, 0.1206,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.5157, 58.6321,
9.2871

■ 38.5157, 58.6321,
9.2871

■ 38.5152, 58.6338,
9.2875

■ 40.0382, 59.4019,
10.1261

■ 41.8132, 60.2805,
11.8568

■ 43.8982, 61.2930,
14.7691

■ 46.3258, 62.4528,
19.0267

■ 49.1235, 63.7709,
24.7675

■ 52.3156, 65.2572,
32.1125

■ 55.9239, 66.9206,
41.1700

■ 59.9686, 68.7694,
52.0389

■ 64.4682, 70.8110,
64.8108

Harmonies

Analogous

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



54.8097, 58.6321, 5.6113



38.5157, 58.6321, 9.2871



29.0547, 58.6321, 25.2731

Triad

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



38.5157, 58.6321, 9.2871



39.7795, 58.6321, 210.2797



101.7302, 58.6321, 61.2322

Complementary

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



38.5157, 58.6321, 9.2871



15.9359, 6.6925, 69.5625

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.



95.1355, 58.6321, 129.4556



38.5157, 58.6321, 9.2871



56.6566, 58.6321, 240.2181

Square

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



38.5157, 58.6321, 9.2871



29.6570, 58.6321, 136.9335



77.4288, 58.6321, 204.4794



93.8226, 58.6321, 22.8831

Rectangle

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



38.5157, 58.6321, 9.2871



26.4727, 58.6321, 49.2524



77.4288, 58.6321, 204.4794



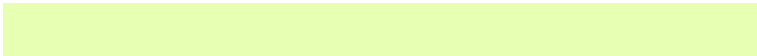
101.1281, 58.6321, 81.0571

Sweetspot

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



38.5170, 58.6347, 9.2884



76.4280, 91.5510, 56.0261



32.3361, 19.9509, 2.1474



15.8956, 19.3827, 10.8065



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.



38.5170, 58.6347, 9.2884



52.5838, 80.1930, 12.7073



27.0262, 52.7109, 8.7506



14.4108, 15.7919, 14.5954



22.9979, 34.8884, 5.5220



1.6873, 2.4663, 0.3871

Inverse Universe

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



15.9359, 6.6925, 69.5625



21.6942, 9.0986, 95.2205



32.3144, 15.1359, 70.3290



13.3745, 13.4611, 17.2810



9.5688, 4.0282, 41.3215



0.7554, 0.3267, 2.8685

Previews

White Background



This preview shows how the XYZ color 38.5157, 58.6321, 9.2871 looks on a white background.

Color Contrast Check

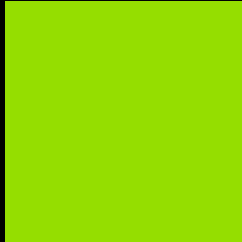
Large Text (above 18pt) WCAG AA × Fail

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 38.5157, 58.6321, 9.2871 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 38.5157, 58.6321, 9.2871

Background



This preview shows how black text looks on a background with the XYZ color 38.5157, 58.6321, 9.2871.

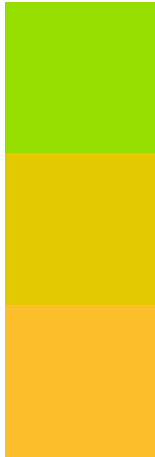


This preview shows how white text looks on a background with the XYZ color 38.5157, 58.6321,

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

38.5157, 58.6321, 9.2871

Protanopia

52.2507, 57.9420, 8.4300

Deuteranopia

58.9944, 57.6968, 10.3128



Tritanopia

52.1852, 58.1283, 78.2815

Trichromacy



Original Color

38.5157, 58.6321, 9.2871

Protanomaly

46.0892, 57.6067, 8.6900

Deuteranomaly

49.3427, 56.7673, 9.3935

Tritanomaly

43.5302, 56.8265, 34.2655

Monochromacy



Original Color

38.5157, 58.6321, 9.2871

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

37.4448, 46.9540, 22.1284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5157, 58.6321, 9.2871 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(149, 222, 0)` looks like.

```
.text, #text, p{  
    color:rgb(149, 222, 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(149, 222, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 222, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.5157, 58.6321, 9.2871 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(149, 222, 0) }
```


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

```
.border{ border-color:rgb(149, 222, 0) }
```

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

Here you see how a box with a 4 pixel rgb(149, 222, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 222, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 222, 0);  
box-shadow:4px 4px 4px 4px rgb(149, 222,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5157, 58.6321, 9.2871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 222, 0) }
```

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

```
.background{ background-color: rgb(149,  
222, 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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