

Converting Colors

XYZ(37.8891, 57.9159, 9.1819)

Have a look what the booklet for
XYZ(37.8891, 57.9159, 9.1819)
contains.

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Color

**XYZ(37.8891, 57.9159,
9.1819)**

Conversions

Conversions Part 1

Format	Color
Hex	93DD00
RGB	147, 221, 0
RGB Percent	58%, 87%, 0%
CMY	0.4235, 0.1333, 0.9999
CMYK	0.33, 0.00, 1.00, 0.13
HSL	80°, 100%, 43%
HSV	80°, 100%, 87%
XYZ	37.8891, 57.9159, 9.1819
YIQ	173.6800, 26.8370, -84.4190

Conversions

Conversions Part 2

Format	Color
RYB	0, 221, 74
Decimal	9690368
CIELab	80.69, -48.79, 79.01
CIELCh	81, 92.858, 121.698
Yxy	57.9159, 0.3609, 0.5516
Android (android.graphics.Color)	4287880448 (0xFF93DD00)
YUV	173.6800, -85.6242, -23.3984
Hunter-Lab	76.1025, -44.3097, 46.1183

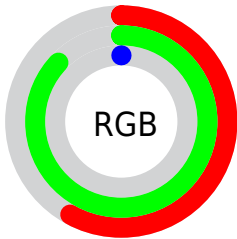
Details

The XYZ color **37.8891, 57.9159, 9.1819** 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 **15.8786, 6.6785, 68.8620**, and the grayscale version is **40.4867, 42.5951, 46.3861**.

A 20% lighter version of the original color is **62.9339, 85.3299, 22.1702**, and **17.4796, 28.9850, 4.6734** is the 20% darker color. If you saturate the color by 10%, you get **37.8886, 57.9175, 9.1823**, and if you desaturate by 10%, it is **39.4067, 58.6832, 10.0156**.

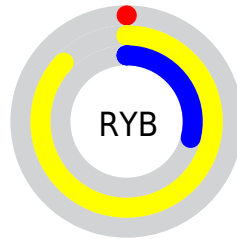
Distribution



Red (58%)

Green (87%)

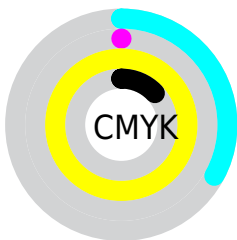
Blue (0%)



Red (0%)

Yellow (87%)

Blue (29%)

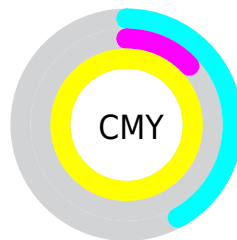


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (13%)



Cyan (42%)


Magenta (13%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8891, 57.9159, 9.1819 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 37.8891, 57.9159, 9.1819 by changing the saturation by 10% instead.


 37.8891, 57.9159,
9.1819


 37.8891, 57.9159,
9.1819


328.4331,
416.8725, 194.9969


 26.0735, 41.7410,
4.7616


 71.2431, 101.8004,
24.8282


 17.0116, 28.8986,
2.0518


 93.5122, 130.2788,
36.8913


 10.3381, 19.0041,
0.5868


 119.9965,
163.6272, 52.3391

 5.6877, 11.6732,
0.0000

 151.0613,
202.2299, 71.5900

 2.6950, 6.5216,
0.0000

 187.0720,
246.4714, 95.0628

 0.9946, 3.1648,
0.0000

 228.3940,

 0.0000, 1.2183,

296.7361, 123.1758

0.0000

275.3925,
353.4083, 156.3476

■ 0.0000, 0.0766,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.8891, 57.9159,
9.1819

■ 37.8891, 57.9159,
9.1819

■ 37.8886, 57.9175,
9.1823

■ 39.4067, 58.6832,
10.0156

■ 41.1769, 59.5597,
11.7314

■ 43.2568, 60.5702,
14.6167

■ 45.6787, 61.7279,
18.8333

■ 48.4699, 63.0439,
24.5177

■ 51.6545, 64.5280,
31.7894

■ 55.2543, 66.1890,
40.7557

■ 59.2890, 68.0350,
51.5143

■ 63.7772, 70.0736,
64.1557

Harmonies

Analogous

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



53.9640, 57.9159, 5.4914



37.8891, 57.9159, 9.1819



28.5911, 57.9159, 25.1331

Triad

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



37.8891, 57.9159, 9.1819



39.3807, 57.9159, 208.7781



100.6235, 57.9159, 59.9886

Complementary

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



37.8891, 57.9159, 9.1819



15.8786, 6.6785, 68.8620

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.



94.2135, 57.9159, 127.3748



37.8891, 57.9159, 9.1819



56.1451, 57.9159, 237.9147

Square

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



37.8891, 57.9159, 9.1819



29.3016, 57.9159, 136.2157



76.7323, 57.9159, 201.9169



92.6618, 57.9159, 22.3158

Rectangle

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



37.8891, 57.9159, 9.1819



26.0760, 57.9159, 49.0370



76.7323, 57.9159, 201.9169



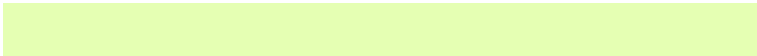
100.0723, 57.9159, 79.5313

Sweetspot

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



37.8904, 57.9184, 9.1831



76.2808, 91.4751, 56.0192



32.2483, 20.2288, 2.2057



15.8603, 19.3645, 10.8049



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.



37.8904, 57.9184, 9.1831



52.2514, 80.0216, 12.6918



26.6157, 52.1061, 8.6555



13.7166, 15.0341, 13.9045



22.1339, 33.7079, 5.3397



1.5241, 2.2302, 0.3501

Inverse Universe

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



15.8786, 6.6785, 68.8620



21.8327, 9.1700, 95.2270



32.8612, 15.4333, 69.6568



12.7476, 12.8280, 16.4563



9.3307, 3.9343, 40.0060



0.6943, 0.3012, 2.5960

Previews

White Background



This preview shows how the XYZ color 37.8891, 57.9159, 9.1819 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 37.8891, 57.9159, 9.1819 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 37.8891, 57.9159, 9.1819

Background



This preview shows how black text looks on a background with the XYZ color 37.8891, 57.9159, 9.1819.



This preview shows how white text looks on a background with the XYZ color 37.8891, 57.9159,

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

37.8891, 57.9159, 9.1819

Protanopia

51.7056, 57.3161, 8.3379

Deuteranopia

58.4173, 57.0788, 10.2239



Tritanopia

51.3783, 57.3716, 77.4731

Trichromacy



Original Color

37.8891, 57.9159, 9.1819

Protanomaly

45.5818, 56.9821, 8.5962

Deuteranomaly

48.5250, 55.9986, 9.2882

Tritanomaly

42.7999, 56.0887, 33.7697

Monochromacy



Original Color

37.8891, 57.9159, 9.1819

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

36.8099, 46.3018, 22.0360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8891, 57.9159, 9.1819 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(147, 221, 0)` looks like.

```
.text, #text, p{  
    color:rgb(147, 221, 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(147, 221, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 221, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.8891, 57.9159, 9.1819 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(147, 221, 0) }
```


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

```
.border{ border-color:rgb(147, 221, 0) }
```

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

Here you see how a box with a 4 pixel rgb(147, 221, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 221, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 221, 0);  
box-shadow:4px 4px 4px 4px rgb(147, 221,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8891, 57.9159, 9.1819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 221, 0) }
```

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

```
.background{ background-color: rgb(147,  
221, 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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