

Converting Colors

XYZ(11.8200, 23.6318, 3.9652)

Have a look what the booklet for
XYZ(11.8200, 23.6318, 3.9652)
contains.

XYZ(11.8939, 23.7791, 3.9917)	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(11.8939, 23.7791,
3.9917)**

Conversions

Conversions Part 1

Format	Color
Hex	009C01
RGB	0, 156, 1
RGB Percent	0%, 61%, 0%
CMY	1.0000, 0.3882, 0.9960
CMYK	1.00, 0.00, 0.99, 0.39
HSL	120°, 100%, 31%
HSV	120°, 100%, 61%
XYZ	11.8939, 23.7791, 3.9917
YIQ	91.6860, -43.2210, -81.2770

Conversions

Conversions Part 2

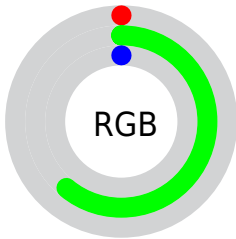
Format	Color
RYB	0, 155, 156
Decimal	39937
CIELab	55.87, -59.68, 57.47
CIELCh	56, 82.847, 136.080
Yxy	23.7791, 0.2999, 0.5995
Android (android.graphics.Color)	4278230017 (0xFF009C01)
YUV	91.6860, -44.7082, -80.4086
Hunter-Lab	48.7638, -41.7991, 29.2813

Details

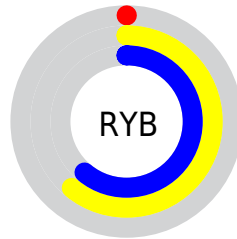
The XYZ color **11.8939, 23.7791, 3.9917** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **19.6263, 9.4344, 31.7920**, and the grayscale version is **10.2079, 10.7395, 11.6953**.

A 20% lighter version of the original color is **28.9952, 49.7660, 14.0388**, and **4.8502, 9.7005, 1.6167** is the 20% darker color. If you saturate the color by 10%, you get **11.8945, 23.7801, 3.9922**, and if you desaturate by 10%, it is **12.1933, 23.9235, 4.4856**.

Distribution



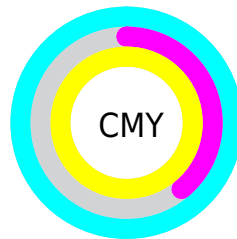
- Red (0%)
- Green (61%)
- Blue (0%)



- Red (0%)
- Yellow (61%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (99%)
- Black (39%)



- Cyan (100%)
- Magenta (39%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8939, 23.7791, 3.9917 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 11.8939, 23.7791, 3.9917 by changing the saturation by 10% instead.

■ 11.8939, 23.7791,
3.9917

■ 11.8939, 23.7791,
3.9917

197.4859,
271.7018, 148.1331

■ 6.7432, 15.1698,
1.6208

■ 28.9203, 49.6695,
13.9906

■ 3.3469, 8.9387,
0.3056

■ 41.5266, 67.7194,
22.4557

■ 1.3398, 4.7012,
0.0000

■ 57.3488, 89.6850,
33.7893

■ 0.2127, 2.0730,
0.0000

■ 76.7523, 115.9506,
48.4098


■ 0.0000, 0.6494,
0.0000


■ 100.1024,
146.9007, 66.7360


■ 0.0000, 0.0000,
0.0000


■ 127.7644,


182.9197, 89.1862


 160.1038,
224.3919, 116.1790


 11.8939, 23.7791,
3.9917


 11.8939, 23.7791,
3.9917


 11.8945, 23.7801,
3.9922

 12.1933, 23.9235,
4.4856

 12.7210, 24.1767,
5.3634

 13.5755, 24.5869,
6.7739

 14.7983, 25.1740,
8.7832

 16.4244, 25.9550,
11.4478

■ 18.4850, 26.9449,
14.8180

■ 21.0082, 28.1570,
18.9389

■ 24.0196, 29.6038,
23.8519

■ 27.5430, 31.2967,
29.5954

Harmonies

Analogous

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



17.9414, 23.7791, 1.1834



11.8939, 23.7791, 3.9917



9.1736, 23.7791, 15.2996

Triad

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



11.8939, 23.7791, 3.9917



18.5136, 23.7791, 116.0936



44.8874, 23.7791, 14.0060

Complementary

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



11.8939, 23.7791, 3.9917



19.6263, 9.4344, 31.7920

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.



45.1676, 23.7791, 40.5023



11.8939, 23.7791, 3.9917



28.0054, 23.7791, 114.7209

Square

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



11.8939, 23.7791, 3.9917



12.2118, 23.7791, 84.2100



38.3415, 23.7791, 81.2069



37.6579, 23.7791, 3.6067

Rectangle

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



11.8939, 23.7791, 3.9917



8.9396, 23.7791, 31.7912



38.3415, 23.7791, 81.2069



45.8541, 23.7791, 20.7708

Sweetspot

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



11.8945, 23.7801, 3.9922



37.8589, 50.9967, 33.9132



25.5998, 30.8461, 4.6046



7.9192, 11.0238, 6.7906



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



11.8945, 23.7801, 3.9922



21.6001, 43.1886, 7.2359



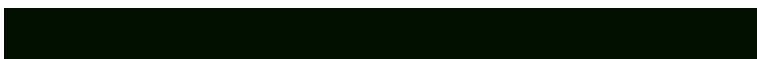
13.2641, 24.3280, 11.2047



6.5524, 7.4017, 7.0777



9.7975, 19.5870, 3.2909



0.1756, 0.3504, 0.0612

Inverse Universe

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



19.6263, 9.4344, 31.7920



35.6425, 17.1336, 57.7249



15.0861, 7.6183, 7.8833



6.9023, 6.7538, 8.3367



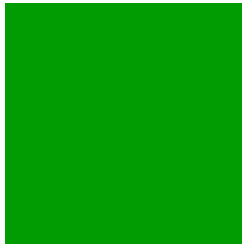
16.1660, 7.7709, 26.1886



0.2896, 0.1392, 0.4711

Previews

White Background



This preview shows how the XYZ color 11.8939, 23.7791, 3.9917 looks on a white background.

Color Contrast Check

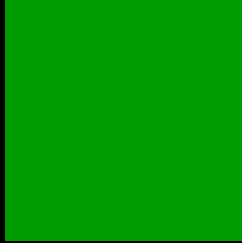
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.8939, 23.7791, 3.9917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

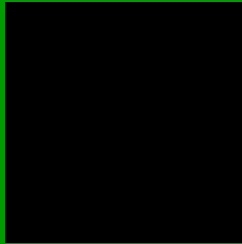
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 11.8939, 23.7791, 3.9917

Background



This preview shows how black text looks on a background with the XYZ color 11.8939, 23.7791, 3.9917.



This preview shows how white text looks on a background with the XYZ color 11.8939, 23.7791,

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

11.8939, 23.7791, 3.9917

Protanopia

21.1028, 23.5342, 3.4303

Deuteranopia

23.6859, 23.2527, 4.7532



Tritanopia

18.3912, 23.8089, 35.5246

Trichromacy



Original Color

11.8939, 23.7791, 3.9917



Protanomaly

14.3923, 21.7789, 3.4452



Deuteranomaly

15.0343, 21.0134, 4.0227



Tritanomaly

13.9621, 22.8864, 15.7382

Monochromacy



Original Color

11.8939, 23.7791, 3.9917



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

8.7238, 13.5070, 6.2850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8939, 23.7791, 3.9917 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(0, 156, 1)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 1)  
}
```

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(0, 156, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 1) }
```

Border

The CSS property to change the border of an element to XYZ 11.8939, 23.7791, 3.9917 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(0, 156, 1) }
```


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

```
.border{ border-color:rgb(0, 156, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 156, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 156, 1); box-shadow:4px  
4px 4px 4px rgb(0, 156, 1) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8939, 23.7791, 3.9917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 156, 1) }
```

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

```
.background{ background-color: rgb(0, 156,  
1) }
```

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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