

Converting Colors

XYZ(11.9872, 23.8986, 4.2293)

Have a look what the booklet for
XYZ(11.9872, 23.8986, 4.2293)
contains.

XYZ(11.9378, 23.7967, 4.2225)	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(11.9378, 23.7967,
4.2225)**

Conversions

Conversions Part 1

Format	Color
Hex	009C09
RGB	0, 156, 9
RGB Percent	0%, 61%, 4%
CMY	1.0000, 0.3882, 0.9647
CMYK	1.00, 0.00, 0.94, 0.39
HSL	123°, 100%, 31%
HSV	123°, 100%, 61%
XYZ	11.9378, 23.7967, 4.2225
YIQ	92.5980, -45.7890, -78.7890

Conversions

Conversions Part 2

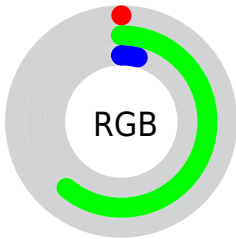
Format	Color
RYB	0, 147, 156
Decimal	39945
CIELab	55.88, -59.44, 56.24
CIELCh	56, 81.833, 136.586
Yxy	23.7967, 0.2988, 0.5956
Android (android.graphics.Color)	4278230025 (0xFF009C09)
YUV	92.5980, -41.2138, -81.2084
Hunter-Lab	48.7819, -41.6861, 29.0152

Details

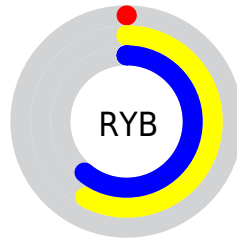
The XYZ color **11.9378, 23.7967, 4.2225** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **18.9765, 9.1745, 28.3701**, and the grayscale version is **10.4121, 10.9544, 11.9293**.

A 20% lighter version of the original color is **28.9960, 49.7550, 14.5540**, and **4.8502, 9.7005, 1.6167** is the 20% darker color. If you saturate the color by 10%, you get **11.9383, 23.7977, 4.2230**, and if you desaturate by 10%, it is **12.2578, 23.9494, 4.8252**.

Distribution



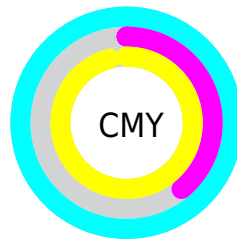
- Red (0%)
- Green (61%)
- Blue (4%)



- Red (0%)
- Yellow (58%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (94%)
- Black (39%)





- Cyan (100%)
- Magenta (39%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 11.9378, 23.7967, 4.2225 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 11.9378, 23.7967, 4.2225 by changing the saturation by 10% instead.


 11.9378, 23.7967,
4.2225


 11.9378, 23.7967,
4.2225


197.7714,
271.7910, 150.6672


 6.7732, 15.1829,
1.7482


 28.9996, 49.6982,
14.5197


 3.3658, 8.9478,
0.3934


 41.6276, 67.7548,
23.1798

 1.3500, 4.7072,
0.0000

 57.4740, 89.7276,
34.7387

 0.2202, 2.0765,
0.0000

 76.9044, 116.0012,
49.6152


 0.0000, 0.6514,
0.0000


 100.2839,
146.9600, 68.2278


 0.0000, 0.0000,
0.0000


 127.9780,


182.9883, 90.9950


 160.3521,
224.4705, 118.3353


 11.9378, 23.7967,
4.2225


 11.9378, 23.7967,
4.2225


 11.9383, 23.7977,
4.2230

 12.2578, 23.9494,
4.8252

 12.8166, 24.2150,
5.8672

 13.6973, 24.6356,
7.4147

 14.9384, 25.2301,
9.5210

 16.5734, 26.0147,
12.2323

■ 18.6317, 27.0036,
15.5903

■ 21.1400, 28.2098,
19.6328

■ 24.1227, 29.6451,
24.3948

■ 27.6026, 31.3206,
29.9088

Harmonies

Analogous

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



17.8783, 23.7967, 1.2828



11.9378, 23.7967, 4.2225



9.2808, 23.7967, 15.7349

Triad

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



11.9378, 23.7967, 4.2225



18.7102, 23.7967, 114.7650



44.5078, 23.7967, 13.8474

Complementary

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



11.9378, 23.7967, 4.2225



18.9765, 9.1745, 28.3701

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.



44.9123, 23.7967, 39.7336



11.9378, 23.7967, 4.2225



28.1292, 23.7967, 112.7927

Square

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



11.9378, 23.7967, 4.2225



12.4019, 23.7967, 83.9346



38.2935, 23.7967, 79.6116



37.3054, 23.7967, 3.6509

Rectangle

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



11.9378, 23.7967, 4.2225



9.0776, 23.7967, 32.2547



38.2935, 23.7967, 79.6116



45.5003, 23.7967, 20.4581

Sweetspot

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



11.9384, 23.7977, 4.2230



38.1005, 51.0933, 35.1853



24.1384, 30.0928, 4.5363



7.9751, 11.0462, 7.0854



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.



11.9384, 23.7977, 4.2230



21.6579, 43.2118, 7.5402



13.5607, 24.4466, 12.7662



6.5655, 7.4070, 7.1466



9.8377, 19.6030, 3.5022



0.1799, 0.3521, 0.0839

Inverse Universe

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



18.9765, 9.1745, 28.3701



34.4399, 16.6526, 51.3923



14.8227, 7.5130, 6.4967



6.8876, 6.7480, 8.2592



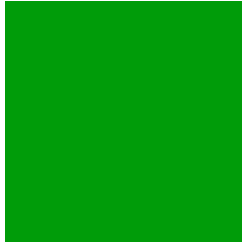
15.6346, 7.5584, 23.3906



0.2840, 0.1369, 0.4419

Previews

White Background



This preview shows how the XYZ color 11.9378, 23.7967, 4.2225 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 11.9378, 23.7967, 4.2225 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 11.9378, 23.7967, 4.2225

Background



This preview shows how black text looks on a background with the XYZ color 11.9378, 23.7967, 4.2225.



This preview shows how white text looks on a background with the XYZ color 11.9378, 23.7967,

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

11.9378, 23.7967, 4.2225

Protanopia

21.1028, 23.5342, 3.4303

Deuteranopia

23.7006, 23.2585, 4.8303



Tritanopia

18.3912, 23.8089, 35.5246

Trichromacy



Original Color

11.9378, 23.7967, 4.2225



Protanomaly

14.4088, 21.7855, 3.5317



Deuteranomaly

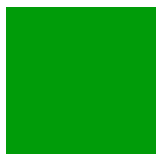
15.0760, 21.0301, 4.2419



Tritanomaly

14.1101, 22.9456, 16.5172

Monochromacy



Original Color

11.9378, 23.7967, 4.2225



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

8.9185, 13.7684, 6.7449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9378, 23.7967, 4.2225 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, 9)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 9)  
}
```

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, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 9) }
```

Border

The CSS property to change the border of an element to XYZ 11.9378, 23.7967, 4.2225 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, 9) }
```


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

```
.border{ border-color:rgb(0, 156, 9) }
```

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, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 156, 9); box-shadow:4px  
4px 4px 4px rgb(0, 156, 9) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9378, 23.7967, 4.2225 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, 9) }
```

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

```
.background{ background-color: rgb(0, 156,  
9) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor