

Converting Colors

XYZ(11.9839, 23.6945, 4.8369)

Have a look what the booklet for
XYZ(11.9839, 23.6945, 4.8369)
contains.

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Color

**XYZ(12.0639, 23.8471,
4.8868)**

Conversions

Conversions Part 1

Format	Color
Hex	009C19
RGB	0, 156, 25
RGB Percent	0%, 61%, 10%
CMY	1.0000, 0.3882, 0.9019
CMYK	1.00, 0.00, 0.84, 0.39
HSL	130°, 100%, 31%
HSV	130°, 100%, 61%
XYZ	12.0639, 23.8471, 4.8868
YIQ	94.4220, -50.9250, -73.8130

Conversions

Conversions Part 2

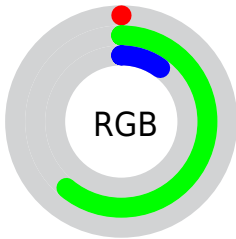
Format	Color
RYB	0, 134, 156
Decimal	39961
CIELab	55.93, -58.78, 52.95
CIELCh	56, 79.116, 137.989
Yxy	23.8471, 0.2957, 0.5845
Android (android.graphics.Color)	4278230041 (0xFF009C19)
YUV	94.4220, -34.2250, -82.8081
Hunter-Lab	48.8335, -41.3617, 28.2503

Details

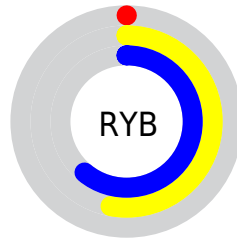
The XYZ color **12.0639, 23.8471, 4.8868** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **17.8073, 8.7068, 22.2135**, and the grayscale version is **10.8274, 11.3913, 12.4051**.

A 20% lighter version of the original color is **29.2829, 49.8698, 16.0651**, and **4.8502, 9.7005, 1.6167** is the 20% darker color. If you saturate the color by 10%, you get **12.0645, 23.8481, 4.8873**, and if you desaturate by 10%, it is **12.4474, 24.0252, 5.8240**.

Distribution



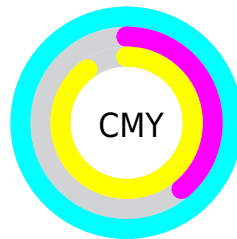
- Red (0%)
- Green (61%)
- Blue (10%)



- Red (0%)
- Yellow (53%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (84%)
- Black (39%)





- Cyan (100%)
- Magenta (39%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.0639, 23.8471, 4.8868 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 12.0639, 23.8471, 4.8868 by changing the saturation by 10% instead.


 12.0639, 23.8471,
4.8868


 12.0639, 23.8471,
4.8868


198.5891,
272.0466, 157.6239


 6.8597, 15.2202,
2.1234


 29.2273, 49.7806,
16.0082


 3.4201, 8.9741,
0.6297


 41.9172, 67.8560,
25.2034

 1.3796, 4.7243,
0.0000

 57.8331, 89.8497,
37.3795

 0.2416, 2.0864,
0.0000

 77.3402, 116.1461,
52.9551

 0.0000, 0.6570,
0.0000

 100.8041,
147.1296, 72.3489

 0.0000, 0.0000,
0.0000

 128.5899,

183.1846, 95.9792

161.0632,
224.6954, 124.2647

■ 12.0639, 23.8471,
4.8868

■ 12.0639, 23.8471,
4.8868

■ 12.0645, 23.8481,
4.8873

■ 12.4474, 24.0252,
5.8240

■ 13.0622, 24.3131,
7.1602

■ 13.9862, 24.7511,
8.9365

■ 15.2547, 25.3566,
11.1867

■ 16.8980, 26.1445,
13.9416

■ 18.9429, 27.1280,
17.2294

■ 21.4140, 28.3193,
21.0760

■ 24.3336, 29.7294,
25.5058

■ 27.7227, 31.3686,
30.5418

Harmonies

Analogous

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



17.7186, 23.8471, 1.5795



12.0639, 23.8471, 4.8868



9.5784, 23.8471, 16.9372

Triad

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



12.0639, 23.8471, 4.8868



19.2438, 23.8471, 111.2000



43.4970, 23.8471, 13.4438

Complementary

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



12.0639, 23.8471, 4.8868



17.8073, 8.7068, 22.2135

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.



44.2244, 23.8471, 37.7388



12.0639, 23.8471, 4.8868



28.4579, 23.8471, 107.6997

Square

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



12.0639, 23.8471, 4.8868



12.9240, 23.8471, 83.1509



38.1563, 23.8471, 75.4399



36.3739, 23.8471, 3.7793

Rectangle

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



12.0639, 23.8471, 4.8868



9.4599, 23.8471, 33.5024



38.1563, 23.8471, 75.4399



44.5553, 23.8471, 19.6532

Sweetspot

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



12.0645, 23.8481, 4.8873



38.6036, 51.2946, 37.8346



21.4991, 28.7321, 4.4127



8.0926, 11.0932, 7.7039



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.



12.0645, 23.8481, 4.8873



21.8632, 43.2939, 8.6212



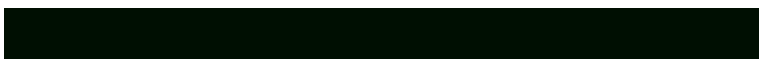
14.2576, 24.7254, 16.4364



6.5920, 7.4175, 7.2859



9.9460, 19.6463, 4.0728



0.1885, 0.3556, 0.1291

Inverse Universe

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



17.8073, 8.7068, 22.2135



32.2812, 15.7891, 40.0244



14.3909, 7.3402, 4.2228



6.8585, 6.7363, 8.1057



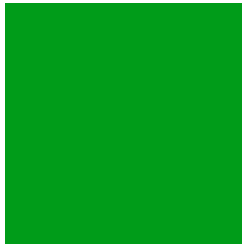
14.6778, 7.1757, 18.3521



0.2736, 0.1328, 0.3868

Previews

White Background



This preview shows how the XYZ color 12.0639, 23.8471, 4.8868 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 12.0639, 23.8471, 4.8868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

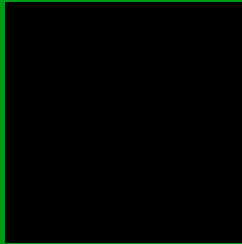
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.0639, 23.8471, 4.8868

Background



This preview shows how black text looks on a background with the XYZ color 12.0639, 23.8471, 4.8868.



This preview shows how white text looks on a background with the XYZ color 12.0639, 23.8471,

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

12.0639, 23.8471, 4.8868

Protanopia

21.2203, 23.5812, 4.0493

Deuteranopia

23.9260, 23.5543, 5.3832



Tritanopia

18.3912, 23.8089, 35.5246

Trichromacy



Original Color

12.0639, 23.8471, 4.8868



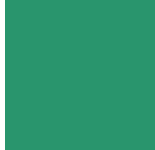
Protanomaly

14.5277, 21.8330, 4.1580



Deuteranomaly

15.3357, 21.3625, 4.9052



Tritanomaly

14.4222, 23.0704, 18.1609

Monochromacy



Original Color

12.0639, 23.8471, 4.8868



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

9.2989, 14.1129, 7.8642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0639, 23.8471, 4.8868 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, 25)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 25)  
}
```

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, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 25) }
```

Border

The CSS property to change the border of an element to XYZ 12.0639, 23.8471, 4.8868 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, 25) }
```


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

```
.border{ border-color:rgb(0, 156, 25) }
```

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, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 25);  
box-shadow:4px 4px 4px 4px rgb(0, 156, 25)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.0639, 23.8471, 4.8868 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, 25) }
```

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

```
.background{ background-color: rgb(0, 156,  
25) }
```

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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