

Converting Colors

XYZ(12.0290, 23.9124, 4.2924)

Have a look what the booklet for
XYZ(12.0290, 23.9124, 4.2924)
contains.

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Color

**XYZ(11.9864, 23.8205,
4.2827)**

Conversions

Conversions Part 1

Format	Color
Hex	039C0B
RGB	3, 156, 11
RGB Percent	1%, 61%, 4%
CMY	0.9883, 0.3882, 0.9568
CMYK	0.98, 0.00, 0.93, 0.39
HSL	123°, 96%, 31%
HSV	123°, 98%, 61%
XYZ	11.9864, 23.8205, 4.2827
YIQ	93.7230, -44.6430, -77.5310

Conversions

Conversions Part 2

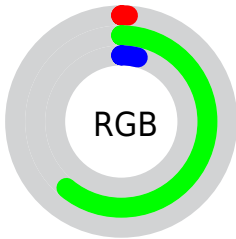
Format	Color
R_{YB}	3, 148, 156
Decimal	236555
CIE _{Lab}	55.91, -59.21, 55.96
CIE _{LCh}	56, 81.470, 136.615
Yxy	23.8205, 0.2990, 0.5942
Android (android.graphics.Color)	4278426635 (0xFF039C0B)
YUV	93.7230, -40.7824, -79.5641
Hunter-Lab	48.8062, -41.5729, 28.9617

Details

The XYZ color **11.9864, 23.8205, 4.2827** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **19.0875, 9.2709, 28.7941**, and the grayscale version is **10.6751, 11.2310, 12.2306**.

A 20% lighter version of the original color is **29.1279, 49.8191, 14.7375**, and **4.8502, 9.7005, 1.6167** is the 20% darker color. If you saturate the color by 10%, you get **11.9338, 23.7959, 4.1989**, and if you desaturate by 10%, it is **12.3339, 23.9861, 4.9451**.

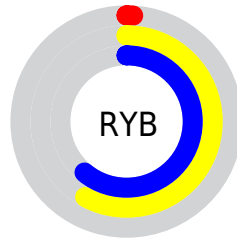
Distribution



Red (1%)

Green (61%)

Blue (4%)



Red (1%)

Yellow (58%)

Blue (61%)

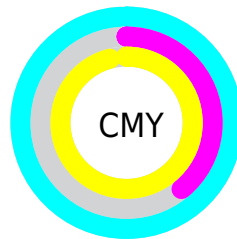


Cyan (98%)

Magenta (0%)

Yellow (93%)

Black (39%)



Cyan (99%)

Magenta (39%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9864, 23.8205, 4.2827 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 11.9864, 23.8205, 4.2827 by changing the saturation by 10% instead.

■ 11.9864, 23.8205,
4.2827

■ 11.9864, 23.8205,
4.2827

198.0870,
271.9117, 151.3176

■ 6.8066, 15.2005,
1.7817

■ 29.0874, 49.7371,
14.6567

■ 3.3867, 8.9602,
0.4158

■ 41.7393, 67.8026,
23.3667

■ 1.3614, 4.7153,
0.0000

■ 57.6125, 89.7853,
34.9835

■ 0.2285, 2.0812,
0.0000

■ 77.0725, 116.0696,
49.9256


■ 0.0000, 0.6540,
0.0000


■ 100.4846,
147.0401, 68.6115


■ 0.0000, 0.0000,
0.0000


■ 128.2141,


183.0810, 91.4597


 160.6265,
224.5767, 118.8889


 11.9864, 23.8205,
4.2827


 11.9864, 23.8205,
4.2827


 11.9338, 23.7959,
4.1989

 12.3339, 23.9861,
4.9451

 12.9481, 24.2786,
6.0633

 13.8926, 24.7302,
7.7012

 15.2053, 25.3594,
9.9117

 16.9188, 26.1819,
12.7410

■ 19.0621, 27.2117,
16.2308

■ 21.6616, 28.4618,
20.4190

■ 24.7414, 29.9438,
25.3407

■ 28.3241, 31.6686,
31.0287

Harmonies

Analogous

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



17.9098, 23.8205, 1.3170



11.9864, 23.8205, 4.2827



9.3349, 23.8205, 15.8091

Triad

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



11.9864, 23.8205, 4.2827



18.7540, 23.8205, 114.2539



44.4197, 23.8205, 13.8913

Complementary

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



11.9864, 23.8205, 4.2827



19.0875, 9.2709, 28.7941

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.



44.8291, 23.8205, 39.6651



11.9864, 23.8205, 4.2827



28.1389, 23.8205, 112.2613

Square

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



11.9864, 23.8205, 4.2827



12.4581, 23.8205, 83.6674



38.2522, 23.8205, 79.2971



37.2517, 23.8205, 3.6982

Rectangle

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



11.9864, 23.8205, 4.2827



9.1336, 23.8205, 32.2835



38.2522, 23.8205, 79.2971



45.4089, 23.8205, 20.4811

Sweetspot

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



11.9870, 23.8215, 4.2832



38.5823, 51.3272, 35.8658



24.1820, 30.1134, 4.6239



8.0670, 11.0909, 7.2118



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.



11.9870, 23.8215, 4.2832



21.6515, 43.2092, 7.5063



13.6529, 24.4879, 13.0559



6.5641, 7.4064, 7.1394



9.8335, 19.6013, 3.4800



0.1795, 0.3519, 0.0815

Inverse Universe

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



19.0875, 9.2709, 28.7941



34.5621, 16.7015, 52.0354



14.9082, 7.5991, 6.7861



6.8891, 6.7486, 8.2673



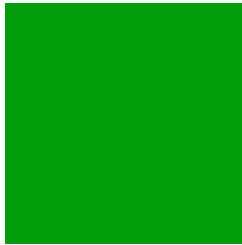
15.6886, 7.5800, 23.6749



0.2846, 0.1372, 0.4449

Previews

White Background



This preview shows how the XYZ color 11.9864, 23.8205, 4.2827 looks on a white background.

Color Contrast Check

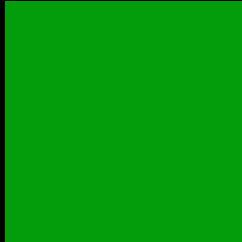
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.9864, 23.8205, 4.2827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

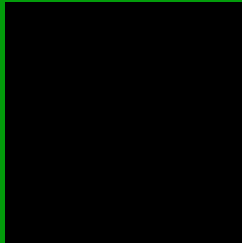
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 11.9864, 23.8205, 4.2827

Background



This preview shows how black text looks on a background with the XYZ color 11.9864, 23.8205, 4.2827.



This preview shows how white text looks on a background with the XYZ color 11.9864, 23.8205,

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

11.9864, 23.8205, 4.2827

Deuteranopia

23.7006, 23.2585, 4.8303

Tritanopia

18.3912, 23.8089, 35.5246

Trichromacy



Original Color

11.9864, 23.8205, 4.2827

Deuteranomaly

15.1955, 21.0917, 4.2475

Tritanomaly

14.2010, 22.9866, 16.7851

Monochromacy



Original Color

11.9864, 23.8205, 4.2827

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

9.2112, 14.0848, 7.0837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9864, 23.8205, 4.2827 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(3, 156, 11)` looks like.

```
.text, #text, p{  
    color:rgb(3, 156, 11)  
}
```

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(3, 156, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 156, 11) }
```

Border

The CSS property to change the border of an element to XYZ 11.9864, 23.8205, 4.2827 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(3, 156, 11) }
```

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

```
.border{ border-color:rgb(3, 156, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 156, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 156, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 156, 11);  
box-shadow:4px 4px 4px 4px rgb(3, 156, 11)  
}
```


Background

The CSS property to change the background color of an element to XYZ 11.9864, 23.8205, 4.2827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 156, 11) }
```

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

```
.background{ background-color: rgb(3, 156,  
11) }
```

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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