

Converting Colors

XYZ(11.9252, 23.8000, 3.9676)

Have a look what the booklet for
XYZ(11.9252, 23.8000, 3.9676)
contains.

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Color

**XYZ(11.9260, 23.7963,
3.9646)**

Conversions

Conversions Part 1

Format	Color
Hex	039C00
RGB	3, 156, 0
RGB Percent	1%, 61%, 0%
CMY	0.9882, 0.3882, 0.9999
CMYK	0.98, 0.00, 1.00, 0.39
HSL	119°, 100%, 31%
HSV	119°, 100%, 61%
XYZ	11.9260, 23.7963, 3.9646
YIQ	92.4690, -41.1120, -80.9520

Conversions

Conversions Part 2

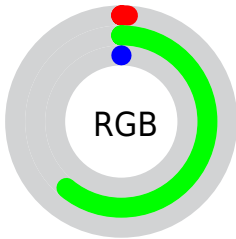
Format	Color
RYB	0, 156, 153
Decimal	236544
CIELab	55.88, -59.53, 57.65
CIElCh	56, 82.864, 135.918
Yxy	23.7963, 0.3005, 0.5996
Android (android.graphics.Color)	4278426624 (0xFF039C00)
YUV	92.4690, -45.5872, -78.4643
Hunter-Lab	48.7815, -41.7282, 29.3284

Details

The XYZ color **11.9260, 23.7963, 3.9646** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **19.1417, 9.1749, 32.2158**, and the grayscale version is **10.3909, 10.9320, 11.9050**.

A 20% lighter version of the original color is **28.9634, 49.7533, 13.8712**, and **4.8502, 9.7005, 1.6167** is the 20% darker color. If you saturate the color by 10%, you get **11.9263, 23.7972, 3.9647**, and if you desaturate by 10%, it is **12.2347, 23.9457, 4.4524**.

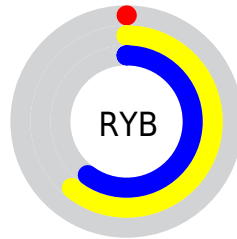
Distribution



Red (1%)

Green (61%)

Blue (0%)



Red (0%)

Yellow (61%)

Blue (60%)

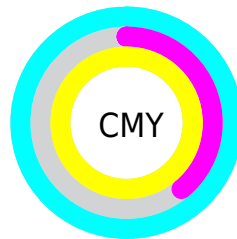


Cyan (98%)

Magenta (0%)

Yellow (100%)

Black (39%)



Cyan (99%)

Magenta (39%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9260, 23.7963, 3.9646 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 11.9260, 23.7963, 3.9646 by changing the saturation by 10% instead.

■ 11.9260, 23.7963,
3.9646

■ 11.9260, 23.7963,
3.9646

197.6947,
271.7890, 147.8311

■ 6.7651, 15.1826,
1.6059

■ 28.9783, 49.6976,
13.9280

■ 3.3607, 8.9476,
0.2951

■ 41.6004, 67.7539,
22.3699

■ 1.3472, 4.7070,
0.0000

■ 57.4404, 89.7266,
33.6766

■ 0.2182, 2.0764,
0.0000

■ 76.8635, 116.0001,
48.2666


■ 0.0000, 0.6513,
0.0000


■ 100.2351,
146.9586, 66.5585


■ 0.0000, 0.0000,
0.0000


■ 127.9206,


182.9867, 88.9709


 160.2854,
224.4687, 115.9222


 11.9260, 23.7963,
3.9646


 11.9260, 23.7963,
3.9646


 11.9263, 23.7972,
3.9647

 12.2347, 23.9457,
4.4524

 12.7857, 24.2113,
5.3106

 13.6603, 24.6322,
6.7043

 14.8976, 25.2272,
8.7015

 16.5314, 26.0123,
11.3601

■ 18.5916, 27.0018,
14.7314

■ 21.1051, 28.2088,
18.8614

■ 24.0967, 29.6450,
23.7925

■ 27.5894, 31.3214,
29.5637

Harmonies

Analogous

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



17.9968, 23.7963, 1.1792



11.9260, 23.7963, 3.9646



9.1874, 23.7963, 15.2108

Triad

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



11.9260, 23.7963, 3.9646



18.4835, 23.7963, 116.0768



44.9414, 23.7963, 14.1103

Complementary

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



11.9260, 23.7963, 3.9646



19.1417, 9.1749, 32.2158

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.



45.1797, 23.7963, 40.7234



11.9260, 23.7963, 3.9646



27.9687, 23.7963, 114.9090

Square

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



11.9260, 23.7963, 3.9646



12.1965, 23.7963, 84.0446



38.3181, 23.7963, 81.4898



37.7365, 23.7963, 3.6371

Rectangle

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



11.9260, 23.7963, 3.9646



8.9435, 23.7963, 31.6468



38.3181, 23.7963, 81.4898



45.8950, 23.7963, 20.9123

Sweetspot

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



11.9266, 23.7973, 3.9651



38.0321, 51.0895, 33.7640



24.7459, 29.1382, 4.3204



7.9592, 11.0453, 6.7561



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.



11.9266, 23.7973, 3.9651



21.6417, 43.2109, 7.1999



13.0854, 24.2565, 10.2624



6.5619, 7.4068, 7.0695



9.8267, 19.6025, 3.2658



0.1788, 0.3521, 0.0585

Inverse Universe

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



19.1417, 9.1749, 32.2158



34.7447, 16.6525, 58.5097



15.2804, 7.6963, 8.9059



6.8916, 6.7481, 8.3460



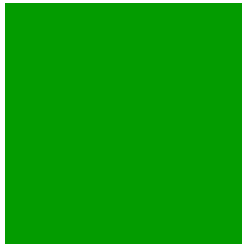
15.7696, 7.5585, 26.5350



0.2855, 0.1370, 0.4746

Previews

White Background



This preview shows how the XYZ color 11.9260, 23.7963, 3.9646 looks on a white background.

Color Contrast Check

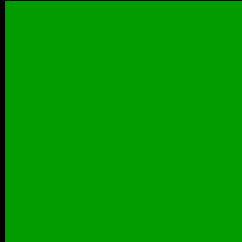
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.9260, 23.7963, 3.9646 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 11.9260, 23.7963, 3.9646

Background



This preview shows how black text looks on a background with the XYZ color 11.9260, 23.7963, 3.9646.



This preview shows how white text looks on a background with the XYZ color 11.9260, 23.7963,

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

11.9260, 23.7963, 3.9646

Protanopia

21.1028, 23.5342, 3.4303

Deuteranopia

23.6859, 23.2527, 4.7532



Tritanopia

18.4580, 23.8434, 35.5277

Trichromacy



Original Color

11.9260, 23.7963, 3.9646



Protanomaly

14.6028, 21.8874, 3.4550



Deuteranomaly

15.1539, 21.0750, 4.0283



Tritanomaly

14.0440, 22.9286, 15.7421

Monochromacy



Original Color

11.9260, 23.7963, 3.9646



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

8.7836, 13.5379, 6.2878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9260, 23.7963, 3.9646 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(3, 156, 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(3, 156, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 156, 0) }
```

Border

The CSS property to change the border of an element to XYZ 11.9260, 23.7963, 3.9646 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, 0) }
```


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

```
.border{ border-color:rgb(3, 156, 0) }
```

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, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 156, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 156, 0); box-shadow:4px  
4px 4px 4px rgb(3, 156, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9260, 23.7963, 3.9646 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, 0) }
```

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

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