

Converting Colors

XYZ(11.9054, 22.3418, 8.3444)

Have a look what the booklet for
XYZ(11.9054, 22.3418, 8.3444)
contains.

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Color

**XYZ(11.8411, 22.1909,
8.3618)**

Conversions

Conversions Part 1

Format	Color
Hex	03963F
RGB	3, 150, 63
RGB Percent	1%, 59%, 25%
CMY	0.9882, 0.4118, 0.7529
CMYK	0.98, 0.00, 0.58, 0.41
HSL	144°, 96%, 30%
HSV	144°, 98%, 59%
XYZ	11.8411, 22.1909, 8.3618
YIQ	96.1290, -59.6850, -58.2210

Conversions

Conversions Part 2

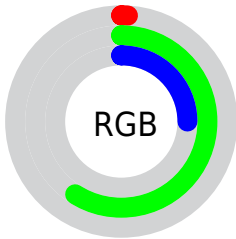
Format	Color
RYB	3, 107, 150
Decimal	235071
CIELab	54.23, -52.99, 36.07
CIELCh	54, 64.103, 145.755
Yxy	22.1909, 0.2793, 0.5234
Android (android.graphics.Color)	4278425151 (0xFF03963F)
YUV	96.1290, -16.3326, -81.6741
Hunter-Lab	47.1072, -37.5690, 22.4507

Details

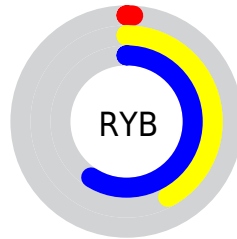
The XYZ color **11.8411, 22.1909, 8.3618** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **14.4565, 7.2878, 10.3189**, and the grayscale version is **11.1991, 11.7823, 12.8309**.

A 20% lighter version of the original color is **28.7424, 46.8811, 23.1569**, and **4.3473, 8.5784, 1.8074** is the 20% darker color. If you saturate the color by 10%, you get **11.7551, 22.1528, 8.1029**, and if you desaturate by 10%, it is **12.3221, 22.4085, 9.7863**.

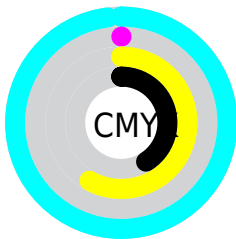
Distribution



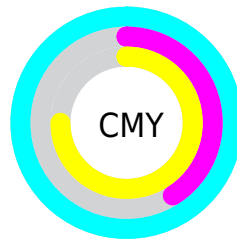
- Red (1%)
- Green (59%)
- Blue (25%)



- Red (1%)
- Yellow (42%)
- Blue (59%)



- Cyan (98%)
- Magenta (0%)
- Yellow (58%)
- Black (41%)



- Cyan (99%)
- Magenta (41%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8411, 22.1909, 8.3618 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 11.8411, 22.1909, 8.3618 by changing the saturation by 10% instead.

■ 11.8411, 22.1909,
8.3618

■ 11.8411, 22.1909,
8.3618

197.1419,
263.5416, 188.5822

■ 6.7070, 13.9972,
4.2362

■ 28.8247, 47.0613,
23.2225

■ 3.3242, 8.1187,
1.7558

■ 41.4050, 64.5068,
34.7947

■ 1.3275, 4.1710,
0.3986

■ 57.1980, 85.8051,
49.6862

■ 0.2036, 1.7697,
0.0000

■ 76.5691, 111.3406,
68.3156

■ 0.0000, 0.4682,
0.0000

■ 99.8837, 141.4975,
91.1013

■ 0.0000, 0.0000,
0.0000

■ 127.5072,

176.6604, 118.4620

159.8048,
217.2136, 150.8161

■ 11.8411, 22.1909,
8.3618

■ 11.8411, 22.1909,
8.3618

■ 11.7551, 22.1528,
8.1029

■ 12.3221, 22.4085,
9.7863

■ 13.0103, 22.7274,
11.4382

■ 13.9560, 23.1740,
13.3293

■ 15.1860, 23.7621,
15.4691

■ 16.7237, 24.5033,
17.8664

■ 18.5898, 25.4083,
20.5299

■ 20.8031, 26.4865,
23.4675

■ 23.3811, 27.7470,
26.6870

■ 26.3399, 29.1977,
30.1957

Harmonies

Analogous

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



15.7887, 22.1909, 3.4601



11.8411, 22.1909, 8.3618



10.3524, 22.1909, 21.4314

Triad

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



11.8411, 22.1909, 8.3618



20.1154, 22.1909, 86.1926



35.6083, 22.1909, 11.0290

Complementary

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



11.8411, 22.1909, 8.3618



14.4565, 7.2878, 10.3189

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.



37.4751, 22.1909, 27.1155



11.8411, 22.1909, 8.3618



27.4664, 22.1909, 77.8247

Square

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



11.8411, 22.1909, 8.3618



14.4143, 22.1909, 71.7923



34.2204, 22.1909, 52.8294



29.5664, 22.1909, 4.2973

Rectangle

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



11.8411, 22.1909, 8.3618



10.6455, 22.1909, 36.1514



34.2204, 22.1909, 52.8294



36.7948, 22.1909, 15.1684

Sweetspot

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



11.8416, 22.1918, 8.3623



36.0544, 46.4205, 40.5643



15.2577, 24.0546, 3.9251



7.6479, 10.1206, 8.5397



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



11.8416, 22.1918, 8.3623



20.6622, 39.0606, 13.8666



15.3389, 23.5907, 26.7786



5.8219, 6.5053, 6.6728



9.7643, 18.3785, 6.8002



0.1335, 0.2305, 0.1570

Inverse Universe

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



14.4565, 7.2878, 10.3189



25.2741, 12.6738, 17.2436



12.7175, 6.5922, 1.1618



5.9361, 5.8695, 6.7698



11.9356, 5.9793, 8.4078



0.1608, 0.0791, 0.1801

Previews

White Background



This preview shows how the XYZ color 11.8411, 22.1909, 8.3618 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 11.8411, 22.1909, 8.3618 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 11.8411, 22.1909, 8.3618

Background



This preview shows how black text looks on a background with the XYZ color 11.8411, 22.1909, 8.3618.



This preview shows how white text looks on a background with the XYZ color 11.8411, 22.1909,

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

11.8411, 22.1909, 8.3618

Protanopia

19.9165, 21.8356, 7.0359

Deuteranopia

22.3208, 21.8900, 9.0100



Tritanopia

16.9960, 22.2466, 33.1040

Trichromacy



Original Color

11.8411, 22.1909, 8.3618



Protanomaly

14.1487, 20.4824, 7.3455



Deuteranomaly

14.9104, 20.0172, 8.5467



Tritanomaly

14.2001, 21.7339, 21.2159

Monochromacy



Original Color

11.8411, 22.1909, 8.3618



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

9.8322, 14.1550, 10.6015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8411, 22.1909, 8.3618 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, 150, 63)` looks like.

```
.text, #text, p{  
    color:rgb(3, 150, 63)  
}
```

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, 150, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 150, 63) }
```

Border

The CSS property to change the border of an element to XYZ 11.8411, 22.1909, 8.3618 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, 150, 63) }
```


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

```
.border{ border-color:rgb(3, 150, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 150, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 150, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 150, 63);  
box-shadow:4px 4px 4px 4px rgb(3, 150, 63)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.8411, 22.1909, 8.3618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 150, 63) }
```

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

```
.background{ background-color: rgb(3, 150,  
63) }
```

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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