

Converting Colors

XYZ(11.2487, 22.0648, 5.0835)

Have a look what the booklet for
XYZ(11.2487, 22.0648, 5.0835)
contains.

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Color

**XYZ(11.1809, 21.9225,
5.0810)**

Conversions

Conversions Part 1

Format	Color
Hex	009621
RGB	0, 150, 33
RGB Percent	0%, 59%, 13%
CMY	1.0000, 0.4118, 0.8706
CMYK	1.00, 0.00, 0.78, 0.41
HSL	133°, 100%, 29%
HSV	133°, 100%, 59%
XYZ	11.1809, 21.9225, 5.0810
YIQ	91.8120, -51.8430, -68.1870

Conversions

Conversions Part 2

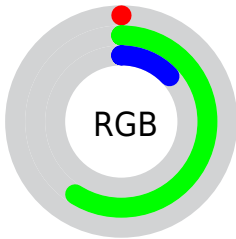
Format	Color
RYB	0, 123, 150
Decimal	38433
CIELab	53.94, -56.50, 48.59
CIELCh	54, 74.516, 139.302
Yxy	21.9225, 0.2928, 0.5741
Android (android.graphics.Color)	4278228513 (0xFF009621)
YUV	91.8120, -28.9943, -80.5191
Hunter-Lab	46.8215, -39.3120, 26.3410

Details

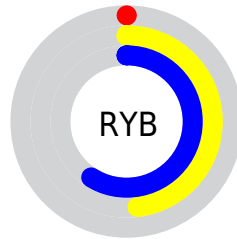
The XYZ color **11.1809, 21.9225, 5.0810** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **15.7893, 7.7688, 17.4981**, and the grayscale version is **10.2034, 10.7347, 11.6901**.

A 20% lighter version of the original color is **27.5355, 46.4092, 16.3107**, and **4.2747, 8.5494, 1.4249** is the 20% darker color. If you saturate the color by 10%, you get **11.1813, 21.9233, 5.0812**, and if you desaturate by 10%, it is **11.5719, 22.1023, 6.1092**.

Distribution



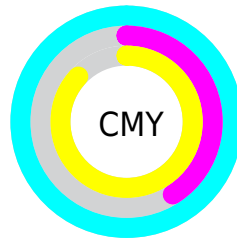
- Red (0%)
- Green (59%)
- Blue (13%)



- Red (0%)
- Yellow (48%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (78%)
- Black (41%)



- Cyan (100%)
- Magenta (41%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.1809, 21.9225, 5.0810 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 11.1809, 21.9225, 5.0810 by changing the saturation by 10% instead.

■ 11.1809, 21.9225,
5.0810

■ 11.1809, 21.9225,
5.0810

192.7872,
262.1413, 159.5742

■ 6.2568, 13.8000,
2.2353

■ 27.6242, 46.6179,
16.4348

■ 3.0440, 7.9817,
0.6946

■ 39.8741, 63.9595,
25.7799

■ 1.1771, 4.0832,
0.0000

■ 55.2967, 85.1429,
38.1286

■ 0.0882, 1.7202,
0.0000

■ 74.2574, 110.5526,
53.8993

■ 0.0000, 0.4367,
0.0000

■ 97.1214, 140.5729,
73.5108

■ 0.0000, 0.0000,
0.0000

■ 124.2541,

175.5882, 97.3813

156.0210,
215.9828, 125.9297

■ 11.1809, 21.9225,
5.0810

■ 11.1809, 21.9225,
5.0810

■ 11.1813, 21.9233,
5.0812

■ 11.5719, 22.1023,
6.1092

■ 12.1661, 22.3792,
7.4719

■ 13.0358, 22.7902,
9.1976

■ 14.2114, 23.3507,
11.3099

■ 15.7192, 24.0738,
13.8305

■ 17.5825, 24.9710,
16.7794

■ 19.8225, 26.0529,
20.1754

■ 22.4587, 27.3292,
24.0359

■ 25.5094, 28.8090,
28.3776

Harmonies

Analogous

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



16.1355, 21.9225, 1.7287



11.1809, 21.9225, 5.0810



9.0437, 21.9225, 16.5622

Triad

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



11.1809, 21.9225, 5.0810



18.0982, 21.9225, 99.0910



39.0843, 21.9225, 12.0277

Complementary

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



11.1809, 21.9225, 5.0810



15.7893, 7.7688, 17.4981

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.



40.0040, 21.9225, 33.0618



11.1809, 21.9225, 5.0810



26.3723, 21.9225, 94.7189

Square

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



11.1809, 21.9225, 5.0810



12.2985, 21.9225, 75.5870



34.8825, 21.9225, 65.9095



32.6222, 21.9225, 3.5845

Rectangle

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



11.1809, 21.9225, 5.0810



9.0062, 21.9225, 31.7603



34.8825, 21.9225, 65.9095



40.1050, 21.9225, 17.4082

Sweetspot

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



11.1814, 21.9234, 5.0815



34.7266, 45.8528, 35.2245



18.3107, 25.6304, 3.9823



7.3488, 9.9939, 7.2849



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.



11.1814, 21.9234, 5.0815



19.6767, 38.6664, 8.6769



13.5873, 22.8857, 17.7505



5.7787, 6.4881, 6.4457



9.2836, 18.1862, 4.2690



0.1230, 0.2263, 0.1016

Inverse Universe

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



15.7893, 7.7688, 17.4981



27.7961, 13.6826, 30.5243



13.0052, 6.6552, 2.8373



5.9813, 5.8876, 7.0075



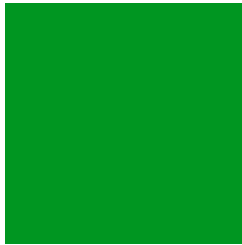
13.1069, 6.4478, 14.5760



0.1713, 0.0833, 0.2355

Previews

White Background



This preview shows how the XYZ color 11.1809, 21.9225, 5.0810 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 11.1809, 21.9225, 5.0810 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 11.1809, 21.9225, 5.0810

Background



This preview shows how black text looks on a background with the XYZ color 11.1809, 21.9225, 5.0810.



This preview shows how white text looks on a background with the XYZ color 11.1809, 21.9225,

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

11.1809, 21.9225, 5.0810

Protanopia

19.5615, 21.7136, 4.2588

Deuteranopia

21.9304, 21.5821, 5.4925



Tritanopia

16.9506, 22.0147, 32.6340

Trichromacy



Original Color

11.1809, 21.9225, 5.0810



Protanomaly

13.5936, 20.2604, 4.4225



Deuteranomaly

14.1310, 19.4874, 5.1145



Tritanomaly

13.5167, 21.4606, 17.6173

Monochromacy



Original Color

11.1809, 21.9225, 5.0810



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

8.8461, 13.1950, 8.0419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.1809, 21.9225, 5.0810 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, 150, 33)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 33)  
}
```

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, 150, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 33) }
```

Border

The CSS property to change the border of an element to XYZ 11.1809, 21.9225, 5.0810 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, 150, 33) }
```


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

```
.border{ border-color:rgb(0, 150, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 150, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 33);  
box-shadow:4px 4px 4px 4px rgb(0, 150, 33)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.1809, 21.9225, 5.0810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 33) }
```

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

```
.background{ background-color: rgb(0, 150,  
33) }
```

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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