

Converting Colors

XYZ(11.8084, 22.9975, 3.8166)

Have a look what the booklet for
XYZ(11.8084, 22.9975, 3.8166)
contains.

| | |
|--|----|
| XYZ(11.8172, 23.0021, 3.8170) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(11.8172, 23.0021,
3.8170)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 1A9900 |
| RGB | 26, 153, 0 |
| RGB Percent | 10%, 60%, 0% |
| CMY | 0.8980, 0.4000, 1.0000 |
| CMYK | 0.83, 0.00, 1.00, 0.40 |
| HSL | 110°, 100%, 30% |
| HSV | 110°, 100%, 60% |
| XYZ | 11.8172, 23.0021, 3.8170 |
| YIQ | 97.5850, -26.5790, -74.5070 |

Conversions

Conversions Part 2

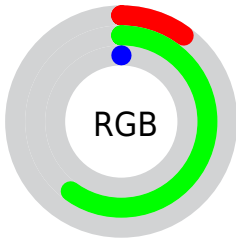
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 0, 153, 127 |
| Decimal | 1743104 |
| CIELab | 55.07, -56.80, 57.09 |
| CIElCh | 55, 80.532, 134.858 |
| Yxy | 23.0021, 0.3059, 0.5953 |
| Android (android.graphics.Color) | 4279933184 (0xFF1A9900) |
| YUV | 97.5850, -48.1094, -62.7800 |
| Hunter-Lab | 47.9605, -39.9495, 28.8537 |

Details

The XYZ color **11.8172, 23.0021, 3.8170** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **14.5051, 6.8136, 30.6890**, and the grayscale version is **11.6273, 12.2328, 13.3215**.

A 20% lighter version of the original color is **28.9430, 48.6398, 13.6573**, and **4.5572, 9.1143, 1.5191** is the 20% darker color. If you saturate the color by 10%, you get **11.8174, 23.0029, 3.8172**, and if you desaturate by 10%, it is **12.3055, 23.2443, 4.3017**.

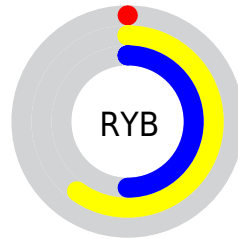
Distribution



Red (10%)

Green (60%)

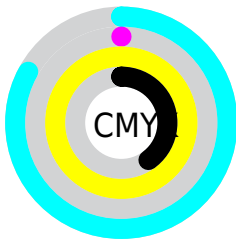
Blue (0%)



Red (0%)

Yellow (60%)

Blue (50%)

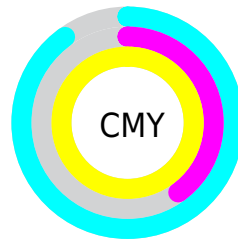


Cyan (83%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (90%)

Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8172, 23.0021, 3.8170 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 11.8172, 23.0021, 3.8170 by changing the saturation by 10% instead.

■ 11.8172, 23.0021,
3.8170

■ 11.8172, 23.0021,
3.8170

196.9861,
267.7358, 146.1691

■ 6.6906, 14.5951,
1.5255

■ 28.7815, 48.3968,
13.5855

■ 3.3140, 8.5357,
0.2368

■ 41.3499, 66.1532,
21.8995

■ 1.3219, 4.4396,
0.0000

■ 57.1297, 87.7949,
33.0581

■ 0.1995, 1.9224,
0.0000

■ 76.4862, 113.7062,
47.4799


■ 0.0000, 0.5618,
0.0000


■ 99.7847, 144.2715,
65.5833


■ 0.0000, 0.0000,
0.0000


■ 127.3906,


179.8753, 87.7870


 159.6693,
220.9019, 114.5094


 11.8172, 23.0021,
3.8170


 11.8172, 23.0021,
3.8170


 11.8174, 23.0029,
3.8172

 12.3055, 23.2443,
4.3017

 13.0195, 23.5946,
5.1377

 14.0042, 24.0734,
6.4843

 15.2845, 24.6923,
8.4055

 16.8826, 25.4614,
10.9561

■ 18.8183, 26.3898,
14.1845

■ 21.1097, 27.4860,
18.1341

■ 23.7738, 28.7579,
22.8450

■ 26.8263, 30.2127,
28.3543

Harmonies

Analogous

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



17.7331, 23.0021, 1.2158



11.8172, 23.0021, 3.8170



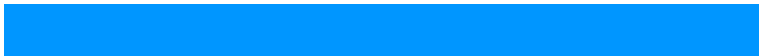
9.0859, 23.0021, 14.2345

Triad

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



11.8172, 23.0021, 3.8170



17.6612, 23.0021, 109.3379



43.1205, 23.0021, 14.3978

Complementary

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



11.8172, 23.0021, 3.8170



14.5051, 6.8136, 30.6890

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.



43.0856, 23.0021, 40.2847



11.8172, 23.0021, 3.8170



26.5885, 23.0021, 109.5077

Square

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



11.8172, 23.0021, 3.8170



11.7770, 23.0021, 78.5127



36.4181, 23.0021, 78.8850



36.5033, 23.0021, 3.8667

Rectangle

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



11.8172, 23.0021, 3.8170



8.7903, 23.0021, 29.4637



36.4181, 23.0021, 78.8850



43.9348, 23.0021, 21.0924

Sweetspot

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



11.8177, 23.0031, 3.8175



37.5386, 49.0956, 32.0122



20.4654, 21.4284, 3.0578



7.9263, 10.6674, 6.4394



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



11.8177, 23.0031, 3.8175



21.0530, 41.1373, 6.8307



11.9349, 23.0007, 6.6568



6.2251, 6.9735, 6.6238



9.7871, 19.0213, 3.1556



0.1679, 0.2955, 0.0482

Inverse Universe

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



14.5051, 6.8136, 30.6890



25.8385, 12.1307, 54.9516



15.6646, 7.7837, 13.9220



6.3582, 6.2706, 7.8042



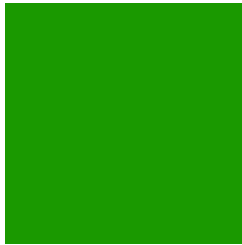
12.0116, 5.6433, 25.3639



0.2036, 0.0968, 0.3803

Previews

White Background



This preview shows how the XYZ color 11.8172, 23.0021, 3.8170 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 11.8172, 23.0021, 3.8170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

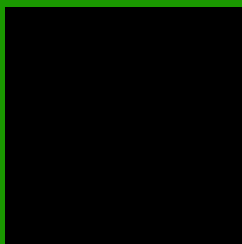
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 11.8172, 23.0021, 3.8170

Background



This preview shows how black text looks on a background with the XYZ color 11.8172, 23.0021, 3.8170.



This preview shows how white text looks on a background with the XYZ color 11.8172, 23.0021,

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

11.8172, 23.0021, 3.8170

Protanopia

20.3290, 22.5285, 3.2770

Deuteranopia

22.9992, 22.5244, 4.5743



Tritanopia

17.8896, 22.9080, 34.0507

Trichromacy



Original Color

11.8172, 23.0021, 3.8170



Protanomaly

14.9415, 21.4083, 3.3447



Deuteranomaly

15.7388, 20.9595, 3.9255



Tritanomaly

13.9517, 22.1965, 15.1043

Monochromacy



Original Color

11.8172, 23.0021, 3.8170



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

10.0204, 14.6824, 6.8633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8172, 23.0021, 3.8170 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(26, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(26, 153, 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(26, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 153, 0) }
```

Border

The CSS property to change the border of an element to XYZ 11.8172, 23.0021, 3.8170 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(26, 153, 0) }
```


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

```
.border{ border-color:rgb(26, 153, 0) }
```

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

Here you see how a box with a 4 pixel rgb(26, 153, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(26, 153, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.8172, 23.0021, 3.8170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 153, 0) }
```

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

```
.background{ background-color: rgb(26, 153,  
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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