

Converting Colors

XYZ(11.1769, 22.1791, 4.2639)

Have a look what the booklet for
XYZ(11.1769, 22.1791, 4.2639)
contains.

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Color

**XYZ(11.1758, 22.1769,
4.2638)**

Conversions

Conversions Part 1

Format	Color
Hex	009712
RGB	0, 151, 18
RGB Percent	0%, 59%, 7%
CMY	1.0000, 0.4078, 0.9294
CMYK	1.00, 0.00, 0.88, 0.41
HSL	127°, 100%, 30%
HSV	127°, 100%, 59%
XYZ	11.1758, 22.1769, 4.2638
YIQ	90.6890, -47.3030, -73.3750

Conversions

Conversions Part 2

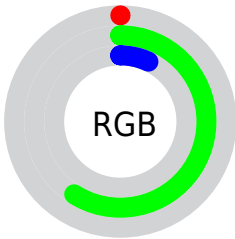
Format	Color
RYB	0, 135, 151
Decimal	38674
CIELab	54.21, -57.69, 53.14
CIELCh	54, 78.439, 137.352
Yxy	22.1769, 0.2971, 0.5896
Android (android.graphics.Color)	4278228754 (0xFF009712)
YUV	90.6890, -35.8357, -79.5343
Hunter-Lab	47.0924, -40.0506, 27.5965

Details

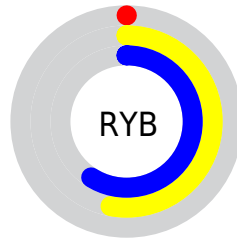
The XYZ color **11.1758, 22.1769, 4.2638** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **16.9964, 8.2729, 22.8899**, and the grayscale version is **9.9604, 10.4791, 11.4117**.

A 20% lighter version of the original color is **27.7722, 47.2853, 14.6844**, and **4.3677, 8.7354, 1.4559** is the 20% darker color. If you saturate the color by 10%, you get **11.1763, 22.1778, 4.2643**, and if you desaturate by 10%, it is **11.5171, 22.3371, 5.0221**.

Distribution



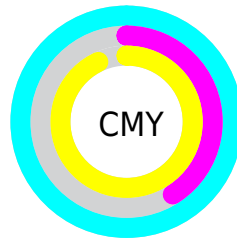
- Red (0%)
- Green (59%)
- Blue (7%)



- Red (0%)
- Yellow (53%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (88%)
- Black (41%)





- Cyan (100%)
- Magenta (41%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 11.1758, 22.1769, 4.2638 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 11.1758, 22.1769, 4.2638 by changing the saturation by 10% instead.

 11.1758, 22.1769,
4.2638


 11.1758, 22.1769,
4.2638


192.7532,
263.4687, 151.1139


 6.2534, 13.9869,
1.7712


 27.6149, 47.0382,
14.6137


 3.0419, 8.1116,
0.4088


 39.8622, 64.4783,
23.3081


 1.1759, 4.1664,
0.0000

 55.2819, 85.7706,
34.9068

 0.0872, 1.7671,
0.0000

 74.2393, 111.2995,
49.8283


 0.0000, 0.4665,
0.0000


 97.0998, 141.4494,
68.4913


 0.0000, 0.0000,
0.0000


 124.2287,


176.6046, 91.3141


 155.9914,
217.1496, 118.7155


 11.1758, 22.1769,
4.2638


 11.1758, 22.1769,
4.2638


 11.1763, 22.1778,
4.2643

 11.5171, 22.3371,
5.0221

 12.0745, 22.5996,
6.1689

 12.9239, 23.0034,
7.7495

 14.0989, 23.5649,
9.8014

 15.6283, 24.2984,
12.3581

■ 17.5378, 25.2163,
15.4501

■ 19.8507, 26.3301,
19.1053

■ 22.5884, 27.6504,
23.3497

■ 25.7708, 29.1867,
28.2080

Harmonies

Analogous

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



16.5587, 22.1769, 1.3412



11.1758, 22.1769, 4.2638



8.7902, 22.1769, 15.2583

Triad

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



11.1758, 22.1769, 4.2638



17.6896, 22.1769, 105.0016



40.9108, 22.1769, 12.6793

Complementary

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



11.1758, 22.1769, 4.2638



16.9964, 8.2729, 22.8899

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.



41.4549, 22.1769, 35.9518



11.1758, 22.1769, 4.2638



26.3538, 22.1769, 102.3680

Square

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



11.1758, 22.1769, 4.2638



11.8104, 22.1769, 77.7374



35.5771, 22.1769, 71.9490



34.2459, 22.1769, 3.4627

Rectangle

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



11.1758, 22.1769, 4.2638



8.6442, 22.1769, 30.6646



35.5771, 22.1769, 71.9490



41.8691, 22.1769, 18.6251

Sweetspot

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



11.1763, 22.1778, 4.2643



35.2786, 47.0220, 33.7908



20.8010, 27.1521, 4.1446



7.6370, 10.5038, 7.0805



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.



11.1763, 22.1778, 4.2643



19.9778, 39.7015, 7.4428



13.0481, 22.9265, 14.1211



6.1606, 6.9370, 6.7694



9.5137, 18.8689, 3.6597



0.1491, 0.2848, 0.0908

Inverse Universe

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



16.9964, 8.2729, 22.8899



30.3927, 14.7974, 40.7568



13.5238, 6.8839, 4.6036



6.4295, 6.3110, 7.6418



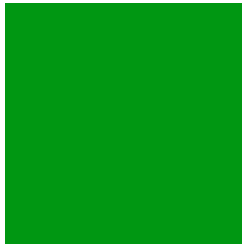
14.4655, 7.0404, 19.5083



0.2241, 0.1084, 0.3327

Previews

White Background



This preview shows how the XYZ color 11.1758, 22.1769, 4.2638 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 11.1758, 22.1769, 4.2638 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 11.1758, 22.1769, 4.2638

Background



This preview shows how black text looks on a background with the XYZ color 11.1758, 22.1769, 4.2638.



This preview shows how white text looks on a background with the XYZ color 11.1758, 22.1769,

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

11.1758, 22.1769, 4.2638

Protanopia

19.7591, 21.8334, 3.4600

Deuteranopia

22.1938, 21.7340, 4.7756



Tritanopia

17.0955, 22.0799, 33.0666

Trichromacy



Original Color

11.1758, 22.1769, 4.2638



Protanomaly

13.5325, 20.2475, 3.5757



Deuteranomaly

14.2154, 19.7524, 4.2917



Tritanomaly

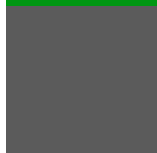
13.2965, 21.3769, 16.2573

Monochromacy



Original Color

11.1758, 22.1769, 4.2638



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

8.5755, 13.0800, 6.9232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.1758, 22.1769, 4.2638 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, 151, 18)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 18)  
}
```

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, 151, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 18) }
```

Border

The CSS property to change the border of an element to XYZ 11.1758, 22.1769, 4.2638 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, 151, 18) }
```


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

```
.border{ border-color:rgb(0, 151, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 151, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 18);  
box-shadow:4px 4px 4px 4px rgb(0, 151, 18)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.1758, 22.1769, 4.2638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 151, 18) }
```

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

```
.background{ background-color: rgb(0, 151,  
18) }
```

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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