

Converting Colors

XYZ(11.3109, 22.3158, 2.4501)

Have a look what the booklet for
XYZ(11.3109, 22.3158, 2.4501)
contains.

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Color

**XYZ(11.5455, 22.3801,
3.7113)**

Conversions

Conversions Part 1

Format	Color
Hex	1C9700
RGB	28, 151, 0
RGB Percent	11%, 59%, 0%
CMY	0.8902, 0.4078, 0.9999
CMYK	0.81, 0.00, 1.00, 0.41
HSL	109°, 100%, 30%
HSV	109°, 100%, 59%
XYZ	11.5455, 22.3801, 3.7113
YIQ	97.0090, -24.8370, -73.0370

Conversions

Conversions Part 2

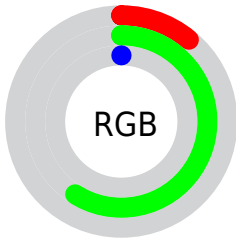
Format	Color
RYB	0, 151, 123
Decimal	1873664
CIELab	54.43, -55.94, 56.58
CIELCh	54, 79.568, 134.675
Yxy	22.3801, 0.3068, 0.5946
Android (android.graphics.Color)	4280063744 (0xFF1C9700)
YUV	97.0090, -47.8254, -60.5209
Hunter-Lab	47.3076, -39.2251, 28.4640

Details

The XYZ color **11.5455, 22.3801, 3.7113** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **13.7569, 6.4469, 29.7987**, and the grayscale version is **11.4836, 12.0816, 13.1569**.

A 20% lighter version of the original color is **28.1825, 47.1690, 13.2494**, and **4.3677, 8.7354, 1.4559** is the 20% darker color. If you saturate the color by 10%, you get **11.5457, 22.3809, 3.7114**, and if you desaturate by 10%, it is **12.0409, 22.6261, 4.1888**.

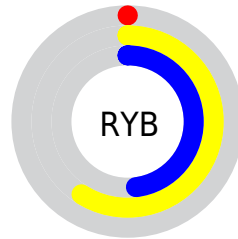
Distribution



Red (11%)

Green (59%)

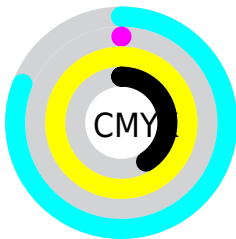
Blue (0%)



Red (0%)

Yellow (59%)

Blue (48%)

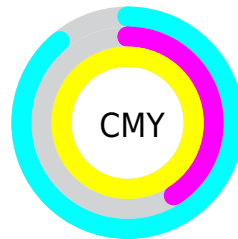


Cyan (81%)

Magenta (0%)

Yellow (100%)

Black (41%)



Cyan (89%)

Magenta (41%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.5455, 22.3801, 3.7113 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 11.5455, 22.3801, 3.7113 by changing the saturation by 10% instead.

■ 11.5455, 22.3801,
3.7113

■ 11.5455, 22.3801,
3.7113

195.2047,
264.5249, 144.9603

■ 6.5050, 14.1365,
1.4683

■ 28.2887, 47.3734,
13.3383

■ 3.1981, 8.2156,
0.1942

■ 40.7220, 64.8919,
21.5593

■ 1.2593, 4.2332,
0.0000

■ 56.3504, 86.2708,
32.6102

■ 0.1525, 1.8049,
0.0000

■ 75.5391, 111.8944,
46.9094


■ 0.0000, 0.4902,
0.0000


■ 98.6536, 142.1473,
64.8755


■ 0.0000, 0.0000,
0.0000


■ 126.0591,


177.4137, 86.9270


 158.1210,
218.0781, 113.4824


 11.5455, 22.3801,
3.7113


 11.5455, 22.3801,
3.7113


 11.5457, 22.3809,
3.7114

 12.0409, 22.6261,
4.1888

 12.7515, 22.9751,
5.0052

 13.7204, 23.4466,
6.3169

 14.9708, 24.0511,
8.1858

 16.5233, 24.7982,
10.6649

■ 18.3965, 25.6964,
13.8009

■ 20.6074, 26.7536,
17.6359

■ 23.1718, 27.9770,
22.2086

■ 26.1044, 29.3735,
27.5548

Harmonies

Analogous

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



17.3092, 22.3801, 1.1957



11.5455, 22.3801, 3.7113



8.8742, 22.3801, 13.7738

Triad

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



11.5455, 22.3801, 3.7113



17.1502, 22.3801, 105.9165



41.9020, 22.3801, 14.1353

Complementary

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



11.5455, 22.3801, 3.7113



13.7569, 6.4469, 29.7987

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.



41.8250, 22.3801, 39.3475



11.5455, 22.3801, 3.7113



25.7968, 22.3801, 106.2911

Square

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



11.5455, 22.3801, 3.7113



11.4566, 22.3801, 75.9487



35.3322, 22.3801, 76.7706



35.5205, 22.3801, 3.8218

Rectangle

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



11.5455, 22.3801, 3.7113



8.5766, 22.3801, 28.4850



35.3322, 22.3801, 76.7706



42.6768, 22.3801, 20.6683

Sweetspot

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



11.5460, 22.3810, 3.7118



36.6449, 47.7867, 31.1270



19.5768, 20.2070, 2.8689



7.9664, 10.6880, 6.4413



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.



11.5460, 22.3810, 3.7118



20.5604, 40.0201, 6.6410



11.5469, 22.3261, 6.2148



6.2337, 6.9779, 6.6242



9.8406, 19.0489, 3.1582



0.1703, 0.2967, 0.0483

Inverse Universe

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



13.7569, 6.4469, 29.7987



24.4920, 11.4705, 53.3568



15.3494, 7.6144, 14.2163



6.3489, 6.2658, 7.8038



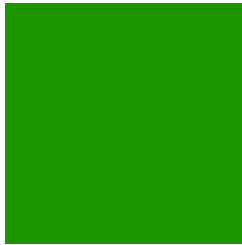
11.7246, 5.4953, 25.3504



0.2011, 0.0955, 0.3802

Previews

White Background



This preview shows how the XYZ color 11.5455, 22.3801, 3.7113 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 11.5455, 22.3801, 3.7113 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 11.5455, 22.3801, 3.7113

Background



This preview shows how black text looks on a background with the XYZ color 11.5455, 22.3801, 3.7113.



This preview shows how white text looks on a background with the XYZ color 11.5455, 22.3801,

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

11.5455, 22.3801, 3.7113

Protanopia

19.8367, 22.0763, 3.2156

Deuteranopia

22.4617, 22.0623, 4.5134



Tritanopia

17.4295, 22.2521, 33.0822

Trichromacy



Original Color

11.5455, 22.3801, 3.7113

Protanomaly

14.6820, 21.0605, 3.2913

Deuteranomaly

15.4623, 20.4066, 3.8334

Tritanomaly

13.5991, 21.5665, 14.7553

Monochromacy



Original Color

11.5455, 22.3801, 3.7113

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

9.9033, 14.4481, 6.8242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.5455, 22.3801, 3.7113 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(28, 151, 0)` looks like.

```
.text, #text, p{  
    color:rgb(28, 151, 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(28, 151, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 151, 0) }
```

Border

The CSS property to change the border of an element to XYZ 11.5455, 22.3801, 3.7113 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(28, 151, 0) }
```


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

```
.border{ border-color:rgb(28, 151, 0) }
```

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

Here you see how a box with a 4 pixel rgb(28, 151, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 151, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 151, 0);  
box-shadow:4px 4px 4px 4px rgb(28, 151, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.5455, 22.3801, 3.7113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 151, 0) }
```

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

```
.background{ background-color: rgb(28, 151,  
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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