

Converting Colors

XYZ(11.4155, 22.7950, 3.7982)

Have a look what the booklet for
XYZ(11.4155, 22.7950, 3.7982)
contains.

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Color

**XYZ(11.4163, 22.7954,
3.7982)**

Conversions

Conversions Part 1

Format	Color
Hex	029900
RGB	2, 153, 0
RGB Percent	1%, 60%, 0%
CMY	0.9921, 0.4000, 1.0000
CMYK	0.99, 0.00, 1.00, 0.40
HSL	119°, 100%, 30%
HSV	119°, 100%, 60%
XYZ	11.4163, 22.7954, 3.7982
YIQ	90.4090, -40.8830, -79.5950

Conversions

Conversions Part 2

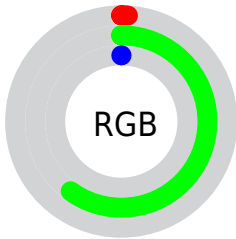
Format	Color
RYB	0, 153, 151
Decimal	170240
CIELab	54.86, -58.74, 56.83
CIELCh	55, 81.726, 135.948
Yxy	22.7954, 0.3004, 0.5997
Android (android.graphics.Color)	4278360320 (0xFF029900)
YUV	90.4090, -44.5716, -77.5347
Hunter-Lab	47.7445, -40.8714, 28.7045

Details

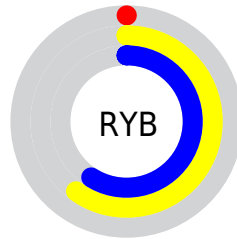
The XYZ color **11.4163, 22.7954, 3.7982** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **18.5146, 8.8806, 30.8765**, and the grayscale version is **9.9151, 10.4315, 11.3599**.

A 20% lighter version of the original color is **28.1224, 48.2168, 13.6189**, and **4.5572, 9.1143, 1.5191** is the 20% darker color. If you saturate the color by 10%, you get **11.4166, 22.7963, 3.7984**, and if you desaturate by 10%, it is **11.7132, 22.9389, 4.2740**.

Distribution



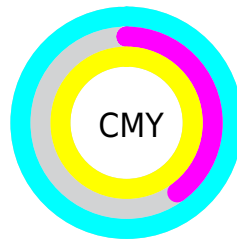
- Red (1%)
- Green (60%)
- Blue (0%)



- Red (0%)
- Yellow (60%)
- Blue (59%)



- Cyan (99%)
- Magenta (0%)
- Yellow (100%)
- Black (40%)



- Cyan (99%)
- Magenta (40%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.4163, 22.7954, 3.7982 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 11.4163, 22.7954, 3.7982 by changing the saturation by 10% instead.

■ 11.4163, 22.7954,
3.7982

■ 11.4163, 22.7954,
3.7982

194.3517,
266.6724, 145.9552

■ 6.4169, 14.4425,
1.5153

■ 28.0536, 48.0572,
13.5416

■ 3.1433, 8.4291,
0.2293

■ 40.4223, 65.7348,
21.8392

■ 1.2300, 4.3707,
0.0000

■ 55.9781, 87.2895,
32.9788

■ 0.1298, 1.8830,
0.0000

■ 75.0864, 113.1056,
47.3789


■ 0.0000, 0.5381,
0.0000


■ 98.1125, 143.5676,
65.4580


■ 0.0000, 0.0000,
0.0000


■ 125.4219,


179.0598, 87.6348


 157.3798,
219.9666, 114.3277


 11.4163, 22.7954,
3.7982


 11.4163, 22.7954,
3.7982


 11.4166, 22.7963,
3.7984

 11.7132, 22.9389,
4.2740

 12.2360, 23.1907,
5.1010

 13.0695, 23.5916,
6.4404

 14.2520, 24.1600,
8.3570

 15.8158, 24.9114,
10.9060

■ 17.7900, 25.8596,
14.1360

■ 20.2006, 27.0173,
18.0912

■ 23.0716, 28.3958,
22.8117

■ 26.4251, 30.0059,
28.3350

Harmonies

Analogous

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



17.2304, 22.7954, 1.1275



11.4163, 22.7954, 3.7982



8.7952, 22.7954, 14.5842

Triad

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



11.4163, 22.7954, 3.7982



17.7118, 22.7954, 111.2763



43.0603, 22.7954, 13.4959

Complementary

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



11.4163, 22.7954, 3.7982



18.5146, 8.8806, 30.8765

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.



43.2961, 22.7954, 38.9851



11.4163, 22.7954, 3.7982



26.8049, 22.7954, 110.1208

Square

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



11.4163, 22.7954, 3.7982



11.6838, 22.7954, 80.5873



36.7239, 22.7954, 78.0596



36.1487, 22.7954, 3.4745

Rectangle

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



11.4163, 22.7954, 3.7982



8.5632, 22.7954, 30.3476



36.7239, 22.7954, 78.0596



43.9768, 22.7954, 20.0085

Sweetspot

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



11.4168, 22.7963, 3.7987



35.8938, 48.2477, 31.9352



24.1162, 28.7302, 4.2747



7.5418, 10.4692, 6.4214



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.



11.4168, 22.7963, 3.7987



20.4328, 40.8176, 6.8017



12.6264, 23.2773, 10.2984



6.1392, 6.9292, 6.6197



9.4375, 18.8411, 3.1393



0.1428, 0.2826, 0.0470

Inverse Universe

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



18.5146, 8.8806, 30.8765



33.1429, 15.8963, 55.2934



14.5509, 7.3382, 8.0574



6.4533, 6.3195, 7.8086



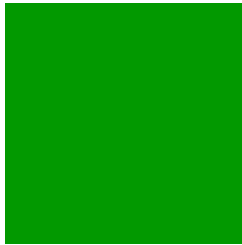
15.3036, 7.3403, 25.5179



0.2310, 0.1109, 0.3816

Previews

White Background



This preview shows how the XYZ color 11.4163, 22.7954, 3.7982 looks on a white background.

Color Contrast Check

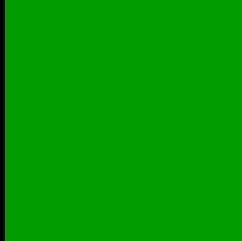
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.4163, 22.7954, 3.7982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

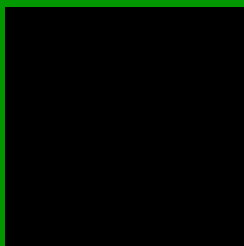
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 11.4163, 22.7954, 3.7982

Background



This preview shows how black text looks on a background with the XYZ color 11.4163, 22.7954, 3.7982.



This preview shows how white text looks on a background with the XYZ color 11.4163, 22.7954,

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

11.4163, 22.7954, 3.7982

Protanopia

20.1489, 22.4356, 3.2686

Deuteranopia

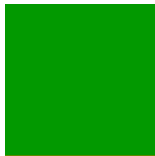
22.7920, 22.4176, 4.5646



Tritanopia

17.6201, 22.7691, 34.0380

Trichromacy



Original Color

11.4163, 22.7954, 3.7982



Protanomaly

13.8487, 20.8449, 3.2936



Deuteranomaly

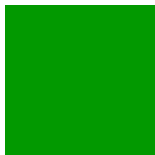
14.6250, 20.3853, 3.8734



Tritanomaly

13.3979, 21.9110, 15.0784

Monochromacy



Original Color

11.4163, 22.7954, 3.7982



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

8.3886, 13.0052, 5.9390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.4163, 22.7954, 3.7982 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(2, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(2, 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(2, 153, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 11.4163, 22.7954, 3.7982 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(2, 153, 0) }
```


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

```
.border{ border-color:rgb(2, 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(2, 153, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 153, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 153, 0); box-shadow:4px  
4px 4px 4px rgb(2, 153, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 11.4163, 22.7954, 3.7982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 153, 0) }
```

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

```
.background{ background-color: rgb(2, 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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