

Converting Colors

XYZ(10.6219, 22.9224, 1.4301)

Have a look what the booklet for
XYZ(10.6219, 22.9224, 1.4301)
contains.

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Color

**XYZ(11.7213, 23.4427,
3.9071)**

Conversions

Conversions Part 1

Format	Color
Hex	009B00
RGB	0, 155, 0
RGB Percent	0%, 61%, 0%
CMY	1.0000, 0.3921, 1.0000
CMYK	1.00, 0.00, 1.00, 0.39
HSL	120°, 100%, 30%
HSV	120°, 100%, 61%
XYZ	11.7213, 23.4427, 3.9071
YIQ	90.9850, -42.6250, -81.0650

Conversions

Conversions Part 2

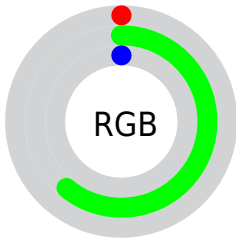
Format	Color
RYB	0, 155, 155
Decimal	39680
CIELab	55.53, -59.42, 57.35
CIELCh	56, 82.586, 136.016
Yxy	23.4427, 0.3000, 0.6000
Android (android.graphics.Color)	4278229760 (0xFF009B00)
YUV	90.9850, -44.8556, -79.7938
Hunter-Lab	48.4177, -41.5183, 29.1079

Details

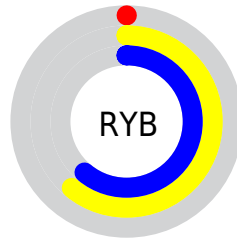
The XYZ color **11.7213, 23.4427, 3.9071** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **19.4338, 9.3351, 31.7839**, and the grayscale version is **10.0471, 10.5703, 11.5111**.

A 20% lighter version of the original color is **28.6162, 49.2044, 13.7835**, and **4.7514, 9.5027, 1.5838** is the 20% darker color. If you saturate the color by 10%, you get **11.7219, 23.4437, 3.9076**, and if you desaturate by 10%, it is **12.0170, 23.5855, 4.3904**.

Distribution



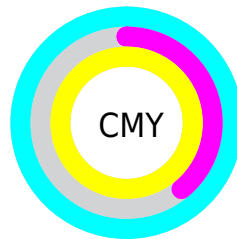
- Red (0%)
- Green (61%)
- Blue (0%)



- Red (0%)
- Yellow (61%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (100%)
- Black (39%)



- Cyan (100%)
- Magenta (39%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7213, 23.4427, 3.9071 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 11.7213, 23.4427, 3.9071 by changing the saturation by 10% instead.

■ 11.7213, 23.4427,
3.9071

■ 11.7213, 23.4427,
3.9071

196.3592,
269.9907, 147.1871

■ 6.6250, 14.9207,
1.5745

■ 28.6078, 49.1192,
13.7949

■ 3.2730, 8.7638,
0.2725

■ 41.1287, 67.0426,
22.1873

■ 1.2997, 4.5874,
0.0000

■ 56.8552, 88.8685,
33.4366

■ 0.1830, 2.0073,
0.0000

■ 76.1527, 114.9814,
47.9615


■ 0.0000, 0.6117,
0.0000


■ 99.3865, 145.7657,
66.1804


■ 0.0000, 0.0000,
0.0000


■ 126.9219,


181.6057, 88.5120


 159.1244,
222.8859, 115.3747


 11.7213, 23.4427,
3.9071


 11.7213, 23.4427,
3.9071


 11.7219, 23.4437,
3.9076

 12.0170, 23.5855,
4.3904

 12.5344, 23.8340,
5.2368

 13.3745, 24.2375,
6.6111

 14.5783, 24.8157,
8.5802

 16.1806, 25.5854,
11.2012

■ 18.2123, 26.5614,
14.5244

■ 20.7012, 27.7569,
18.5954

■ 23.6728, 29.1843,
23.4558

■ 27.1506, 30.8549,
29.1442

Harmonies

Analogous

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



17.6973, 23.4427, 1.1546



11.7213, 23.4427, 3.9071



9.0313, 23.4427, 15.0301

Triad

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



11.7213, 23.4427, 3.9071



18.2286, 23.4427, 114.6296



44.3045, 23.4427, 13.8294

Complementary

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



11.7213, 23.4427, 3.9071



19.4338, 9.3351, 31.7839

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.



44.5649, 23.4427, 40.0310



11.7213, 23.4427, 3.9071



27.5962, 23.4427, 113.3530

Square

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



11.7213, 23.4427, 3.9071



12.0164, 23.4427, 83.0606



37.8086, 23.4427, 80.2683



37.1733, 23.4427, 3.5505

Rectangle

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



11.7213, 23.4427, 3.9071



8.7967, 23.4427, 31.2859



37.8086, 23.4427, 80.2683



45.2543, 23.4427, 20.5188

Sweetspot

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



11.7219, 23.4437, 3.9076



36.7880, 49.5711, 32.8363



25.2400, 30.4125, 4.5399



7.9123, 11.0211, 6.7544



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



11.7219, 23.4437, 3.9076



20.9918, 41.9834, 6.9977



13.0792, 23.9866, 11.0549



6.1322, 6.9256, 6.6195



9.4147, 18.8293, 3.1385



0.1408, 0.2815, 0.0469

Inverse Universe

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



19.4338, 9.3351, 31.7839



34.8023, 16.7175, 56.9190



14.8755, 7.5118, 7.7803



6.4612, 6.3236, 7.8089



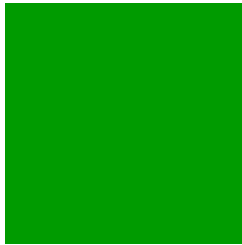
15.6087, 7.4977, 25.5280



0.2334, 0.1121, 0.3817

Previews

White Background



This preview shows how the XYZ color 11.7213, 23.4427, 3.9071 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

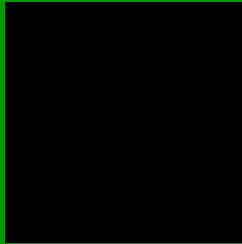
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 11.7213, 23.4427, 3.9071

Background



This preview shows how black text looks on a background with the XYZ color 11.7213, 23.4427, 3.9071.



This preview shows how white text looks on a background with the XYZ color 11.7213, 23.4427,

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

11.7213, 23.4427, 3.9071

Protanopia

20.7820, 23.1646, 3.3759

Deuteranopia

23.4755, 23.1442, 4.7434



Tritanopia

18.1540, 23.4706, 35.0260

Trichromacy



Original Color

11.7213, 23.4427, 3.9071



Protanomaly

14.2442, 21.4826, 3.3958



Deuteranomaly

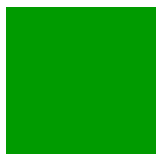
15.0343, 21.0134, 4.0227



Tritanomaly

13.7565, 22.5521, 15.4323

Monochromacy



Original Color

11.7213, 23.4427, 3.9071



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

8.5260, 13.2397, 6.1091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7213, 23.4427, 3.9071 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, 155, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 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(0, 155, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 0) }
```

Border

The CSS property to change the border of an element to XYZ 11.7213, 23.4427, 3.9071 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, 155, 0) }
```


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

```
.border{ border-color:rgb(0, 155, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 155, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 155, 0); box-shadow:4px  
4px 4px 4px rgb(0, 155, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7213, 23.4427, 3.9071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 155, 0) }
```

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

```
.background{ background-color: rgb(0, 155,  
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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