

Converting Colors

XYZ(11.7233, 19.7506, 3.1949)

Have a look what the booklet for
XYZ(11.7233, 19.7506, 3.1949)
contains.

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Color

**XYZ(11.6869, 19.7304,
3.1924)**

Conversions

Conversions Part 1

Format	Color
Hex	458B00
RGB	69, 139, 0
RGB Percent	27%, 55%, 0%
CMY	0.7294, 0.4549, 1.0000
CMYK	0.50, 0.00, 1.00, 0.45
HSL	90°, 100%, 27%
HSV	90°, 100%, 55%
XYZ	11.6869, 19.7304, 3.1924
YIQ	102.2240, 2.8990, -58.0690

Conversions

Conversions Part 2

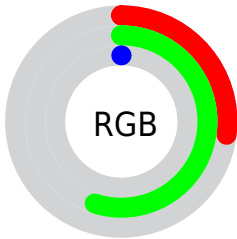
Format	Color
RYB	0, 139, 70
Decimal	4557568
CIELab	51.53, -42.45, 54.76
CIELCh	52, 69.288, 127.782
Yxy	19.7304, 0.3377, 0.5701
Android (android.graphics.Color)	4282747648 (0xFF458B00)
YUV	102.2240, -50.3964, -29.1374
Hunter-Lab	44.4189, -30.7686, 26.8321

Details

The XYZ color **11.6869, 19.7304, 3.1924** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7.1872, 3.1669, 24.6596**, and the grayscale version is **12.8162, 13.4836, 14.6837**.

A 20% lighter version of the original color is **28.5405, 42.9052, 12.0875**, and **3.4897, 6.9794, 1.1632** is the 20% darker color. If you saturate the color by 10%, you get **11.6869, 19.7310, 3.1925**, and if you desaturate by 10%, it is **12.2923, 20.0340, 3.6314**.

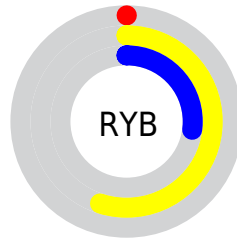
Distribution



Red (27%)

Green (55%)

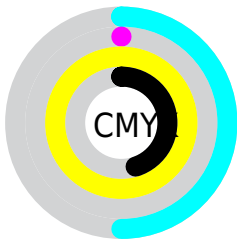
Blue (0%)



Red (0%)

Yellow (55%)

Blue (27%)

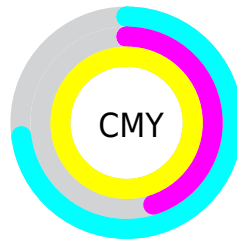


Cyan (50%)

Magenta (0%)

Yellow (100%)

Black (45%)



Cyan (73%)

Magenta (45%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6869, 19.7304, 3.1924 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 11.6869, 19.7304, 3.1924 by changing the saturation by 10% instead.

■ 11.6869, 19.7304,
3.1924

■ 11.6869, 19.7304,
3.1924

196.1339,
250.4519, 138.7746

■ 6.6015, 12.1992,
1.1937

■ 28.5454, 42.9647,
12.0996

■ 3.2583, 6.8795,
0.0000

■ 41.0492, 59.4366,
19.8452

■ 1.2918, 3.3869,
0.0000

■ 56.7566, 79.6576,
30.3435

■ 0.1770, 1.3369,
0.0000

■ 76.0328, 104.0120,
44.0131


■ 0.0000, 0.1695,
0.0000


■ 99.2433, 132.8842,
61.2724


■ 0.0000, 0.0000,
0.0000


■ 126.7534,


166.6587, 82.5401


 158.9285,
205.7198, 108.2346


 11.6869, 19.7304,
3.1924


 11.6869, 19.7304,
3.1924


 11.6869, 19.7310,
3.1925

 12.2923, 20.0340,
3.6314

 13.0078, 20.3880,
4.3365

 13.8625, 20.8049,
5.4486

 14.8675, 21.2893,
7.0174

 16.0326, 21.8454,
9.0855

■ 17.3665, 22.4767,
11.6905

■ 18.8773, 23.1869,
14.8664

■ 20.5724, 23.9788,
18.6445

■ 22.4587, 24.8557,
23.0538

Harmonies

Analogous

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



16.9976, 19.7304, 1.4849



11.6869, 19.7304, 3.1924



8.8869, 19.7304, 9.9992

Triad

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



11.6869, 19.7304, 3.1924



14.1314, 19.7304, 80.1406



35.3969, 19.7304, 16.6971

Complementary

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



11.6869, 19.7304, 3.1924



7.1872, 3.1669, 24.6596

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.



34.0832, 19.7304, 39.4937



11.6869, 19.7304, 3.1924



20.6255, 19.7304, 86.2914

Square

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



11.6869, 19.7304, 3.1924



10.0353, 19.7304, 54.5884



28.2124, 19.7304, 68.2871



31.4534, 19.7304, 5.5114

Rectangle

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



11.6869, 19.7304, 3.1924



8.3020, 19.7304, 20.0327



28.2124, 19.7304, 68.2871



35.5702, 19.7304, 23.0018

Sweetspot

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



11.6874, 19.7312, 3.1928



33.6160, 41.4336, 26.2140



12.8074, 9.8081, 1.2184



7.5067, 9.4350, 5.5295



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



11.6874, 19.7312, 3.1928



20.7375, 35.2350, 5.7081



9.2332, 18.4661, 3.0780



5.1928, 5.7221, 5.3832



10.5674, 17.8177, 2.8822



0.0870, 0.1270, 0.0199

Inverse Universe

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



7.1872, 3.1669, 24.6596



12.6782, 5.5718, 44.1502



15.3084, 7.3536, 25.0396



4.9990, 5.0079, 6.3090



6.5059, 2.8680, 22.2564



0.0601, 0.0278, 0.1486

Previews

White Background



This preview shows how the XYZ color 11.6869, 19.7304, 3.1924 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 11.6869, 19.7304, 3.1924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

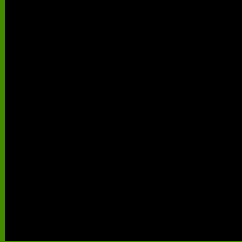
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 11.6869, 19.7304, 3.1924

Background



This preview shows how black text looks on a background with the XYZ color 11.6869, 19.7304, 3.1924.



This preview shows how white text looks on a background with the XYZ color 11.6869, 19.7304,

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

11.6869, 19.7304, 3.1924

Protanopia

17.5642, 19.5692, 2.8515

Deuteranopia

19.7814, 19.4446, 3.8092



Tritanopia

16.6084, 19.6687, 27.7320

Trichromacy



Original Color

11.6869, 19.7304, 3.1924

Protanomaly

14.6603, 19.2112, 2.9355

Deuteranomaly

15.4852, 18.6699, 3.3598

Tritanomaly

13.5840, 19.2457, 12.4500

Monochromacy



Original Color

11.6869, 19.7304, 3.1924

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

11.3013, 14.8168, 7.2653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6869, 19.7304, 3.1924 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(69, 139, 0)` looks like.

```
.text, #text, p{  
    color:rgb(69, 139, 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(69, 139, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 139, 0) }
```

Border

The CSS property to change the border of an element to XYZ 11.6869, 19.7304, 3.1924 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(69, 139, 0) }
```


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

```
.border{ border-color:rgb(69, 139, 0) }
```

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

Here you see how a box with a 4 pixel rgb(69, 139, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 139, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 139, 0);  
box-shadow:4px 4px 4px 4px rgb(69, 139, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.6869, 19.7304, 3.1924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 139, 0) }
```

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

```
.background{ background-color: rgb(69, 139,  
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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