

Converting Colors

XYZ(11.7201, 16.6632, 1.2226)

Have a look what the booklet for
XYZ(11.7201, 16.6632, 1.2226)
contains.

XYZ(11.9068, 16.6527, 2.5867)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(11.9068, 16.6527,
2.5867)**

Conversions

Conversions Part 1

Format	Color
Hex	607B00
RGB	96, 123, 0
RGB Percent	38%, 48%, 0%
CMY	0.6235, 0.5176, 1.0000
CMYK	0.22, 0.00, 1.00, 0.52
HSL	73°, 100%, 24%
HSV	73°, 100%, 48%
XYZ	11.9068, 16.6527, 2.5867
YIQ	100.9050, 23.3910, -43.9770

Conversions

Conversions Part 2

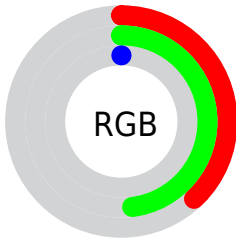
Format	Color
RYB	0, 123, 27
Decimal	6322944
CIELab	47.82, -24.90, 52.54
CIELCh	48, 58.142, 115.360
Yxy	16.6527, 0.3823, 0.5347
Android (android.graphics.Color)	4284513024 (0xFF607B00)
YUV	100.9050, -49.7462, -4.3017
Hunter-Lab	40.8077, -19.3311, 24.8072

Details

The XYZ color **11.9068, 16.6527, 2.5867** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **4.0277, 1.6634, 18.8487**, and the grayscale version is **12.4658, 13.1150, 14.2822**.

A 20% lighter version of the original color is **29.0284, 37.9049, 10.6369**, and **3.5310, 5.4554, 0.8669** is the 20% darker color. If you saturate the color by 10%, you get **11.9070, 16.6534, 2.5869**, and if you desaturate by 10%, it is **12.2645, 16.8297, 2.9598**.

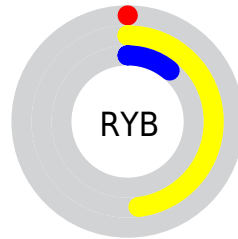
Distribution



Red (38%)

Green (48%)

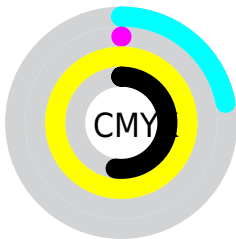
Blue (0%)



Red (0%)

Yellow (48%)

Blue (11%)

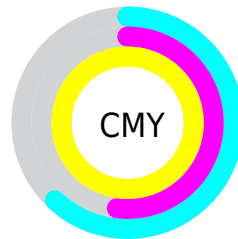


Cyan (22%)

Magenta (0%)

Yellow (100%)

Black (52%)



Cyan (62%)

Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9068, 16.6527, 2.5867 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 11.9068, 16.6527, 2.5867 by changing the saturation by 10% instead.

■ 11.9068, 16.6527,
2.5867

■ 11.9068, 16.6527,
2.5867

197.5698,
233.1630, 130.9089

■ 6.7520, 9.9872,
0.8856

■ 28.9436, 37.7277,
10.5903

■ 3.3524, 5.3905,
0.0000

■ 41.5563, 52.9059,
17.7320

■ 1.3428, 2.4781,
0.0000

■ 57.3856, 71.6905,
27.5251

■ 0.2149, 0.8657,
0.0000


■ 76.7970, 94.4659,
40.3880


■ 0.0000, 0.0000,
0.0000


■ 100.1557,
121.6165, 56.7392


■ 127.8272,


153.5266, 76.9975

 160.1768,
190.5806, 101.5812


 11.9068, 16.6527,
2.5867


 11.9068, 16.6527,
2.5867


 11.9070, 16.6534,
2.5869

 12.2645, 16.8297,
2.9598

 12.6664, 17.0250,
3.5162

 13.1365, 17.2488,
4.3796

 13.6817, 17.5037,
5.5862

 14.3080, 17.7922,
7.1671

■ 15.0208, 18.1165,
9.1499

■ 15.8249, 18.4786,
11.5597

■ 16.7248, 18.8801,
14.4195

■ 17.7246, 19.3228,
17.7506

Harmonies

Analogous

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



16.6538, 16.6527, 1.9228



11.9068, 16.6527, 2.5867



8.9234, 16.6527, 6.2098

Triad

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



11.9068, 16.6527, 2.5867



10.7810, 16.6527, 53.5500



28.0865, 16.6527, 20.5581

Complementary

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



11.9068, 16.6527, 2.5867



4.0277, 1.6634, 18.8487

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.



25.6041, 16.6527, 39.8686



11.9068, 16.6527, 2.5867



15.0298, 16.6527, 64.5178

Square

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



11.9068, 16.6527, 2.5867



8.3807, 16.6527, 33.4387



20.5272, 16.6527, 58.4807



26.7394, 16.6527, 8.3973

Rectangle

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



11.9068, 16.6527, 2.5867



7.9680, 16.6527, 11.7942



20.5272, 16.6527, 58.4807



27.6593, 16.6527, 26.4102

Sweetspot

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



11.9072, 16.6534, 2.5871



28.2242, 33.0382, 20.3518



8.5529, 4.9794, 0.5105



6.5256, 7.7263, 4.4227



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



11.9072, 16.6534, 2.5871



21.1968, 29.7562, 4.6263



7.7716, 14.5215, 2.3935



4.2258, 4.5917, 4.2881



12.3124, 17.2245, 2.6757



57.9844, 81.7775, 12.7285

Inverse Universe

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



4.0277, 1.6634, 18.8487



7.1045, 2.9229, 33.7463



7.6145, 3.5125, 19.0165



3.8724, 3.9321, 4.9980



4.1620, 1.7183, 19.4976



19.2410, 7.8811, 92.9769

Previews

White Background



This preview shows how the XYZ color 11.9068, 16.6527, 2.5867 looks on a white 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

Black Background



This preview shows how the XYZ color 11.9068, 16.6527, 2.5867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

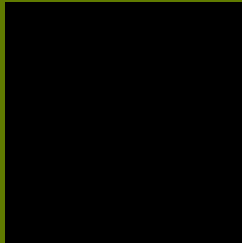
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.9068, 16.6527, 2.5867

Background



This preview shows how black text looks on a background with the XYZ color 11.9068, 16.6527, 2.5867.



This preview shows how white text looks on a background with the XYZ color 11.9068, 16.6527,

2.5867.

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

11.9068, 16.6527, 2.5867

Protanopia

14.9194, 16.6238, 2.4224

Deuteranopia

16.7302, 16.4130, 3.0453



Tritanopia

15.6559, 16.5905, 21.1160

Trichromacy



Original Color

11.9068, 16.6527, 2.5867

Protanomaly

13.5637, 16.4356, 2.4575

Deuteranomaly

14.5886, 16.2776, 2.7885

Tritanomaly

13.3300, 16.1562, 9.6236

Monochromacy



Original Color

11.9068, 16.6527, 2.5867

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

11.5396, 13.9601, 6.9369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9068, 16.6527, 2.5867 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(96, 123, 0)` looks like.

```
.text, #text, p{  
    color:rgb(96, 123, 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(96, 123, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 123, 0) }
```

Border

The CSS property to change the border of an element to XYZ 11.9068, 16.6527, 2.5867 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(96, 123, 0) }
```


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

```
.border{ border-color:rgb(96, 123, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 123, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 123, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 123, 0);  
box-shadow:4px 4px 4px 4px rgb(96, 123, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.9068, 16.6527, 2.5867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 123, 0) }
```

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

```
.background{ background-color: rgb(96, 123,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor