

Converting Colors

XYZ(19.5431, 15.6569, 1.9921)

Have a look what the booklet for
XYZ(19.5431, 15.6569, 1.9921)
contains.

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Color

**XYZ(19.4670, 15.5892,
1.9830)**

Conversions

Conversions Part 1

Format	Color
Hex	A65B00
RGB	166, 91, 0
RGB Percent	65%, 36%, 0%
CMY	0.3490, 0.6431, 1.0000
CMYK	0.00, 0.45, 1.00, 0.35
HSL	33°, 100%, 33%
HSV	33°, 100%, 65%
XYZ	19.4670, 15.5892, 1.9830
YIQ	103.0510, 73.9110, -12.4010

Conversions

Conversions Part 2

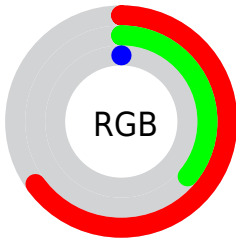
Format	Color
RYB	137, 166, 0
Decimal	10902272
CIELab	46.43, 25.63, 55.02
CIELCh	46, 60.697, 65.021
Yxy	15.5892, 0.5256, 0.4209
Android (android.graphics.Color)	4289092352 (0xFFA65B00)
YUV	103.0510, -50.8041, 55.2063
Hunter-Lab	39.4832, 18.9131, 24.6604

Details

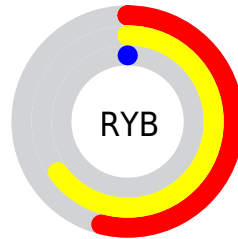
The XYZ color **19.4670, 15.5892, 1.9830** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.3989, 7.7852, 37.0834**, and the grayscale version is **13.0228, 13.7010, 14.9204**.

A 20% lighter version of the original color is **42.1672, 36.0031, 9.0018**, and **6.9641, 4.9272, 0.5840** is the 20% darker color. If you saturate the color by 10%, you get **19.4671, 15.5897, 1.9831**, and if you desaturate by 10%, it is **20.2390, 16.9764, 2.7243**.

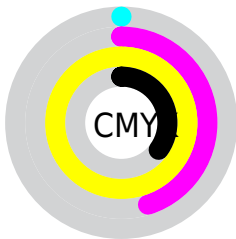
Distribution



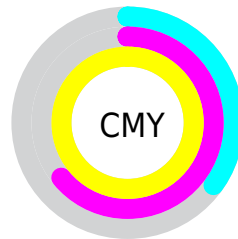
- Red (65%)
- Green (36%)
- Blue (0%)



- Red (54%)
- Yellow (65%)
- Blue (0%)



- Cyan (0%)
- Magenta (45%)
- Yellow (100%)
- Black (35%)





- Cyan (35%)
- Magenta (64%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 19.4670, 15.5892, 1.9830 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 19.4670, 15.5892, 1.9830 by changing the saturation by 10% instead.


 19.4670, 15.5892,
1.9830


 19.4670, 15.5892,
1.9830

 241.9038,
226.9053, 122.1122


 12.1142, 9.2339,
0.5448


 42.0325, 35.8836,
8.9943


 6.8943, 4.8941,
0.0000


 57.9760, 50.5914,
15.4623

 3.4418, 2.1852,
0.0000

 77.5137, 68.8523,
24.4633

 1.3915, 0.7119,
0.0000

 101.0111, 91.0505,
36.4159

 0.2501, 0.0000,
0.0000


 128.8334,
117.5706, 51.7385


 0.0000, 0.0000,
0.0000


 161.3461,


148.7968, 70.8498


 198.9144,
185.1136, 94.1682


 19.4670, 15.5892,
1.9830


 19.4670, 15.5892,
1.9830


 19.4671, 15.5897,
1.9831

 20.2390, 16.9764,
2.7243

 21.1577, 18.5269,
3.9148

 22.2588, 20.2586,
5.7327

 23.5590, 22.1808,
8.2566

 25.0723, 24.3016,
11.5537

■ 26.8115, 26.6286,
15.6832

■ 28.7882, 29.1689,
20.6983

■ 31.0129, 31.9290,
26.6479

■ 33.4956, 34.9151,
33.5772

Harmonies

Analogous

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



24.6380, 15.5892, 5.2527



19.4670, 15.5892, 1.9830



13.9567, 15.5892, 1.4290

Triad

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



19.4670, 15.5892, 1.9830



6.9054, 15.5892, 19.6134



21.3479, 15.5892, 53.0199

Complementary

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



19.4670, 15.5892, 1.9830



9.3989, 7.7852, 37.0834

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.



15.7121, 15.5892, 64.6542



19.4670, 15.5892, 1.9830



8.0295, 15.5892, 39.3604

Square

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



19.4670, 15.5892, 1.9830



7.4602, 15.5892, 7.5066



10.9737, 15.5892, 58.5737



25.8903, 15.5892, 32.2159

Rectangle

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



19.4670, 15.5892, 1.9830



10.9681, 15.5892, 1.9852



10.9737, 15.5892, 58.5737



19.4751, 15.5892, 58.5530

Sweetspot

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



19.4673, 15.5900, 1.9833



52.0355, 52.6704, 37.0116



17.0820, 8.6495, 7.8775



11.3092, 11.3595, 7.4201



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



19.4673, 15.5900, 1.9833



35.1171, 27.8656, 3.5277



28.2267, 34.7940, 5.2283



7.8591, 8.1983, 7.9575



15.1431, 12.1835, 1.5535



0.4185, 0.3965, 0.0545

Inverse Universe

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



9.3989, 7.7852, 37.0834



16.8525, 13.7180, 67.2349



6.9523, 2.7890, 36.2480



7.4005, 7.8378, 9.5411



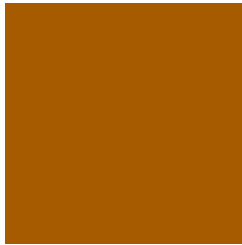
7.3338, 6.1278, 28.7717



0.2299, 0.2520, 0.7172

Previews

White Background



This preview shows how the XYZ color 19.4670, 15.5892, 1.9830 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 19.4670, 15.5892, 1.9830 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 19.4670, 15.5892, 1.9830

Background



This preview shows how black text looks on a background with the XYZ color 19.4670, 15.5892, 1.9830.



This preview shows how white text looks on a background with the XYZ color 19.4670, 15.5892,

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

19.4670, 15.5892, 1.9830

Protanopia

14.2212, 15.7606, 2.7080

Deuteranopia

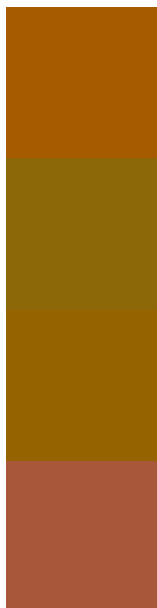
15.8668, 15.6786, 2.1900



Tritanopia

21.4990, 15.6873, 11.7924

Trichromacy



Original Color

19.4670, 15.5892, 1.9830

Protanomaly

15.8148, 15.4958, 2.4159

Deuteranomaly

16.9516, 15.5039, 2.0991

Tritanomaly

20.3204, 15.4467, 5.9135

Monochromacy



Original Color

19.4670, 15.5892, 1.9830

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

14.0494, 13.7526, 7.0683

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4670, 15.5892, 1.9830 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(166, 91, 0)` looks like.

```
.text, #text, p{  
    color:rgb(166, 91, 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(166, 91, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 91, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.4670, 15.5892, 1.9830 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(166, 91, 0) }
```


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

```
.border{ border-color:rgb(166, 91, 0) }
```

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

Here you see how a box with a 4 pixel rgb(166, 91, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 91, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 91, 0);  
box-shadow:4px 4px 4px 4px rgb(166, 91, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.4670, 15.5892, 1.9830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 91, 0) }
```

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

```
.background{ background-color: rgb(166, 91,  
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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