

Converting Colors

XYZ(13.8978, 11.9842, 1.5829)

Have a look what the booklet for
XYZ(13.8978, 11.9842, 1.5829)
contains.

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Color

**XYZ(13.8960, 11.9860,
1.5811)**

Conversions

Conversions Part 1

Format	Color
Hex	8B5500
RGB	139, 85, 0
RGB Percent	55%, 33%, 0%
CMY	0.4549, 0.6666, 1.0000
CMYK	0.00, 0.39, 1.00, 0.45
HSL	37°, 100%, 27%
HSV	37°, 100%, 55%
XYZ	13.8960, 11.9860, 1.5811
YIQ	91.4560, 59.4690, -14.9870

Conversions

Conversions Part 2

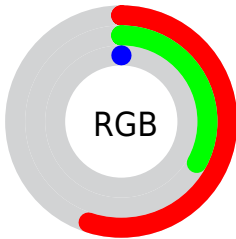
Format	Color
RYB	88, 139, 0
Decimal	9131264
CIELab	41.19, 16.88, 49.82
CIELCh	41, 52.598, 71.284
Yxy	11.9860, 0.5060, 0.4364
Android (android.graphics.Color)	4287321344 (0xFF8B5500)
YUV	91.4560, -45.0878, 41.6961
Hunter-Lab	34.6208, 11.0594, 21.5268

Details

The XYZ color **13.8960, 11.9860, 1.5811** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.9793, 4.5023, 24.9799**, and the grayscale version is **10.1387, 10.6667, 11.6160**.

A 20% lighter version of the original color is **32.4284, 29.4937, 7.8546**, and **4.3261, 3.3566, 0.4199** is the 20% darker color. If you saturate the color by 10%, you get **13.8962, 11.9864, 1.5812**, and if you desaturate by 10%, it is **14.4163, 12.9010, 2.1423**.

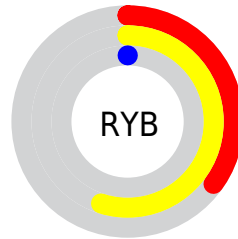
Distribution



Red (55%)

Green (33%)

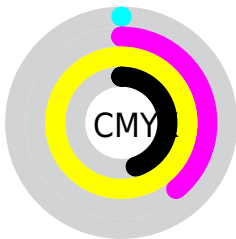
Blue (0%)



Red (35%)

Yellow (55%)

Blue (0%)

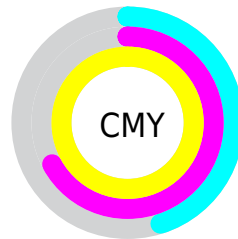


Cyan (0%)

Magenta (39%)

Yellow (100%)

Black (45%)



Cyan (45%)

Magenta (67%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8960, 11.9860, 1.5811 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 13.8960, 11.9860, 1.5811 by changing the saturation by 10% instead.

■ 13.8960, 11.9860,
1.5811

■ 13.8960, 11.9860,
1.5811

■ 210.1065,
204.3126, 115.4898

■ 8.1296, 6.7341,
0.2773

■ 32.4922, 29.4696,
7.8602

■ 4.2305, 3.2964,
0.0000

■ 46.0527, 42.4701,
13.8229

■ 1.8333, 1.2884,
0.0000

■ 62.9419, 58.8224,
22.2256

■ 0.5376, 0.1322,
0.0000

■ 83.5252, 78.9107,
33.4870


■ 0.0000, 0.0000,
0.0000


■ 108.1680,
103.1195, 48.0256


■ 137.2355,


131.8331, 66.2599


 171.0932,
165.4360, 88.6084


 13.8960, 11.9860,
1.5811


 13.8960, 11.9860,
1.5811


 13.8962, 11.9864,
1.5812

 14.4163, 12.9010,
2.1423

 15.0196, 13.9018,
2.9780

 15.7335, 15.0009,
4.2289

 16.5679, 16.2034,
5.9450

 17.5317, 17.5138,
8.1689

■ 18.6326, 18.9362,
10.9384

■ 19.8776, 20.4745,
14.2877

■ 21.2733, 22.1321,
18.2482

■ 22.8257, 23.9124,
22.8489

Harmonies

Analogous

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



17.7973, 11.9860, 3.5523



13.8960, 11.9860, 1.5811



10.0243, 11.9860, 1.4157

Triad

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



13.8960, 11.9860, 1.5811



5.6332, 11.9860, 17.5783



16.9125, 11.9860, 35.8739

Complementary

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



13.8960, 11.9860, 1.5811



5.9793, 4.5023, 24.9799

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.



12.8795, 11.9860, 46.1109



13.8960, 11.9860, 1.5811



6.7444, 11.9860, 32.2473

Square

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



13.8960, 11.9860, 1.5811



5.7876, 11.9860, 7.4311



9.2090, 11.9860, 44.5046



19.7882, 11.9860, 20.9641

Rectangle

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



13.8960, 11.9860, 1.5811



8.0098, 11.9860, 2.1029



9.2090, 11.9860, 44.5046



15.6139, 11.9860, 40.2694

Sweetspot

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



13.8963, 11.9866, 1.5813



35.4435, 36.4797, 25.1614



11.3515, 5.7706, 4.2060



7.9699, 8.1647, 5.2599



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.



13.8963, 11.9866, 1.5813



24.7215, 21.1373, 2.7769



17.7046, 22.8327, 3.4741



5.2706, 5.5241, 5.3409



12.5589, 10.8522, 1.4328



0.0977, 0.1006, 0.0143

Inverse Universe

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



5.9793, 4.5023, 24.9799



10.5566, 7.7602, 44.6844



4.8398, 1.9567, 24.5486



4.9236, 5.1902, 6.3481



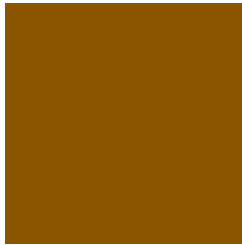
5.4123, 4.0949, 22.5508



0.0494, 0.0542, 0.1543

Previews

White Background



This preview shows how the XYZ color 13.8960, 11.9860, 1.5811 looks on a white background.

Color Contrast Check

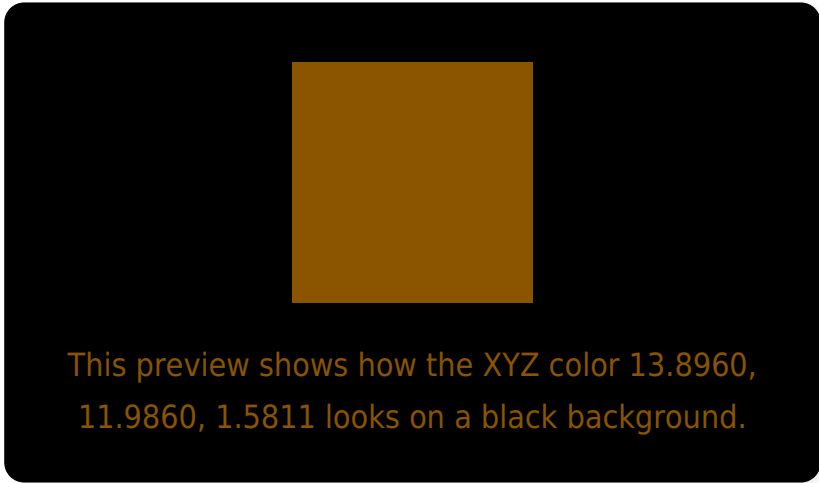
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

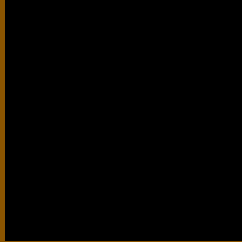
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.8960, 11.9860, 1.5811

Background



This preview shows how black text looks on a background with the XYZ color 13.8960, 11.9860, 1.5811.



This preview shows how white text looks on a background with the XYZ color 13.8960, 11.9860,

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

13.8960, 11.9860, 1.5811

Protanopia

10.8529, 12.0723, 2.0453

Deuteranopia

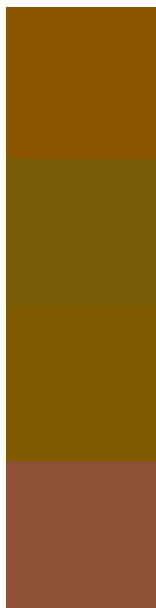
12.2265, 12.1138, 1.6938



Tritanopia

15.5910, 11.9986, 10.0886

Trichromacy



Original Color

13.8960, 11.9860, 1.5811

Protanomaly

11.8324, 11.9068, 1.8469

Deuteranomaly

12.7094, 11.9795, 1.6424

Tritanomaly

14.5928, 11.8139, 5.0012

Monochromacy



Original Color

13.8960, 11.9860, 1.5811

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.5204, 10.6384, 5.5019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8960, 11.9860, 1.5811 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(139, 85, 0)` looks like.

```
.text, #text, p{  
    color:rgb(139, 85, 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(139, 85, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 85, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.8960, 11.9860, 1.5811 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(139, 85, 0) }
```


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

```
.border{ border-color:rgb(139, 85, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 85, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 85, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 85, 0);  
box-shadow:4px 4px 4px 4px rgb(139, 85, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.8960, 11.9860, 1.5811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 85, 0) }
```

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

```
.background{ background-color: rgb(139, 85,  
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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