

Converting Colors

XYZ(13.2226, 11.0701, 1.6380)

Have a look what the booklet for
XYZ(13.2226, 11.0701, 1.6380)
contains.

XYZ(13.2235, 11.0710, 1.6410)	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(13.2235, 11.0710,
1.6410)**

Conversions

Conversions Part 1

Format	Color
Hex	895007
RGB	137, 80, 7
RGB Percent	54%, 31%, 3%
CMY	0.4627, 0.6863, 0.9725
CMYK	0.00, 0.42, 0.95, 0.46
HSL	34°, 90%, 28%
HSV	34°, 95%, 54%
XYZ	13.2235, 11.0710, 1.6410
YIQ	88.7210, 57.4050, -10.6190

Conversions

Conversions Part 2

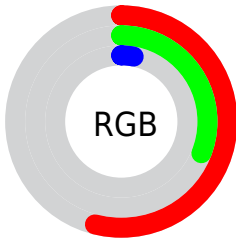
Format	Color
R_{YB}	109, 137, 7
Decimal	8998919
CIE Lab	39.70, 19.00, 46.63
CIE LCh	40, 50.353, 67.834
Yxy	11.0710, 0.5099, 0.4269
Android (android.graphics.Color)	4287188999 (0xFF895007)
YUV	88.7210, -40.2885, 42.3407
Hunter-Lab	33.2731, 12.7121, 20.3670

Details

The XYZ color **13.2235, 11.0710, 1.6410** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.4363, 5.5181, 24.3925**, and the grayscale version is **9.5115, 10.0068, 10.8974**.

A 20% lighter version of the original color is **31.1715, 27.6289, 7.9649**, and **3.9944, 2.9514, 0.3591** is the 20% darker color. If you saturate the color by 10%, you get **12.9656, 10.6167, 1.3659**, and if you desaturate by 10%, it is **13.7777, 12.0287, 2.2908**.

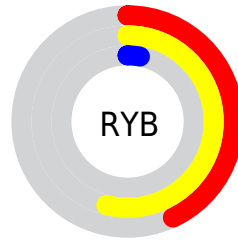
Distribution



Red (54%)

Green (31%)

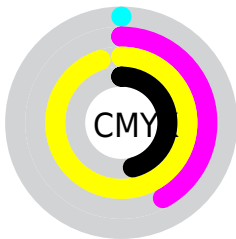
Blue (3%)



Red (43%)

Yellow (54%)

Blue (3%)

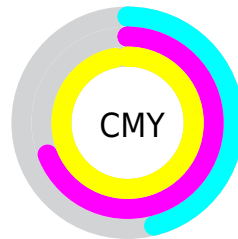


Cyan (0%)

Magenta (42%)

Yellow (95%)

Black (46%)



Cyan (46%)


Magenta (69%)


Yellow (97%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2235, 11.0710, 1.6410 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 13.2235, 11.0710, 1.6410 by changing the saturation by 10% instead.


 13.2235, 11.0710,
1.6410

 13.2235, 11.0710,
1.6410


 205.9539,
198.1540, 116.5266


 7.6607, 6.1146,
0.3198


 31.3026, 27.7914,
8.0338

 3.9286, 2.9149,
0.0000

 44.5497, 40.3242,
14.0755


 1.6618, 1.0875,
0.0000

 61.0888, 56.1512,
22.5720

 0.4322, 0.0000,
0.0000

 81.2855, 75.6569,
33.9419


 0.0000, 0.0000,
0.0000


 105.5049, 99.2256,
48.6038


 134.1126,


127.2418, 66.9762


 167.4738,
160.0898, 89.4776


 13.2235, 11.0710,
1.6410


 13.2235, 11.0710,
1.6410


 12.9656, 10.6167,
1.3659

 13.7777, 12.0287,
2.2908

 14.4397, 13.0934,
3.3104

 15.2220, 14.2724,
4.7602

 16.1339, 15.5707,
6.6844

 17.1837, 16.9931,
9.1217

■ 18.3786, 18.5439,
12.1068

■ 19.7255, 20.2271,
15.6713

■ 21.2307, 22.0466,
19.8442

■ 22.9000, 24.0060,
24.6528

Harmonies

Analogous

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



16.6657, 11.0710, 3.7635



13.2235, 11.0710, 1.6410



9.6458, 11.0710, 1.3378

Triad

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



13.2235, 11.0710, 1.6410



5.2321, 11.0710, 14.8280



15.1285, 11.0710, 34.0876

Complementary

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



13.2235, 11.0710, 1.6410



6.4363, 5.5181, 24.3925

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.



11.4511, 11.0710, 42.2856



13.2235, 11.0710, 1.6410



6.1119, 11.0710, 27.8264

Square

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



13.2235, 11.0710, 1.6410



5.5050, 11.0710, 6.2224



8.2171, 11.0710, 39.5214



17.9221, 11.0710, 20.7170

Rectangle

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



13.2235, 11.0710, 1.6410



7.7242, 11.0710, 1.8598



8.2171, 11.0710, 39.5214



13.9266, 11.0710, 37.7983

Sweetspot

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



13.2237, 11.0716, 1.6412



34.3928, 35.0708, 25.5586



11.3612, 5.8579, 5.6095



7.5115, 7.6124, 5.1982



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.2237, 11.0716, 1.6412



23.0551, 18.6844, 2.3913



18.2667, 22.6919, 3.6184



5.2505, 5.4839, 5.3342



12.0896, 9.9136, 1.2763



0.0949, 0.0951, 0.0133

Inverse Universe

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



6.4363, 5.5181, 24.3925



10.8292, 8.7205, 43.4956



4.7648, 2.0476, 23.8107



4.9433, 5.2295, 6.3547



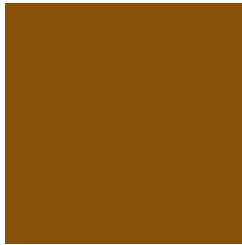
5.7260, 4.7224, 22.6554



0.0522, 0.0597, 0.1552

Previews

White Background



This preview shows how the XYZ color 13.2235, 11.0710, 1.6410 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 13.2235, 11.0710, 1.6410

Background



This preview shows how black text looks on a background with the XYZ color 13.2235, 11.0710, 1.6410.



This preview shows how white text looks on a background with the XYZ color 13.2235, 11.0710,

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

13.2235, 11.0710, 1.6410

Protanopia

10.0192, 11.0986, 1.9950

Deuteranopia

11.1801, 11.0667, 1.5468



Tritanopia

14.7120, 11.0522, 8.9473

Trichromacy



Original Color

13.2235, 11.0710, 1.6410

Protanomaly

10.9689, 10.9508, 1.8522

Deuteranomaly

11.9484, 11.0978, 1.5985

Tritanomaly

13.8745, 10.9149, 4.7437

Monochromacy



Original Color

13.2235, 11.0710, 1.6410

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.0611, 10.0355, 5.5444

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2235, 11.0710, 1.6410 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(137, 80, 7)` looks like.

```
.text, #text, p{  
    color:rgb(137, 80, 7)  
}
```

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(137, 80, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 80, 7) }
```

Border

The CSS property to change the border of an element to XYZ 13.2235, 11.0710, 1.6410 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(137, 80, 7) }
```


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

```
.border{ border-color:rgb(137, 80, 7) }
```

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

Here you see how a box with a 4 pixel rgb(137, 80, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 80, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 80, 7);  
box-shadow:4px 4px 4px 4px rgb(137, 80, 7)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.2235, 11.0710, 1.6410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 80, 7) }
```

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

```
.background{ background-color: rgb(137, 80,  
7) }
```

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