

Converting Colors

XYZ(13.6513, 11.0807, 0.0000)

Have a look what the booklet for
XYZ(13.6513, 11.0807, 0.0000)
contains.

XYZ(13.8797, 11.1996, 1.4302)	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(13.8797, 11.1996,
1.4302)**

Conversions

Conversions Part 1

Format	Color
Hex	8E4E00
RGB	142, 78, 0
RGB Percent	56%, 31%, 0%
CMY	0.4431, 0.6941, 1.0000
CMYK	0.00, 0.45, 1.00, 0.44
HSL	33°, 100%, 28%
HSV	33°, 100%, 56%
XYZ	13.8797, 11.1996, 1.4302
YIQ	88.2440, 63.1820, -10.6900

Conversions

Conversions Part 2

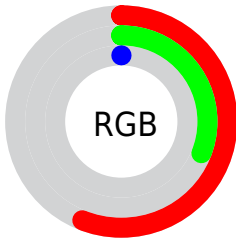
Format	Color
R_{YB}	117, 142, 0
Decimal	9326080
CIE Lab	39.91, 22.29, 49.22
CIE LCh	40, 54.027, 65.635
Yxy	11.1996, 0.5236, 0.4225
Android (android.graphics.Color)	4287516160 (0xFF8E4E00)
YUV	88.2440, -43.5043, 47.1440
Hunter-Lab	33.4658, 15.4664, 20.8922

Details

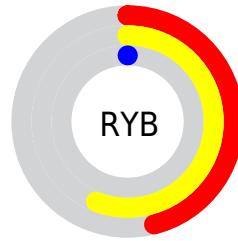
The XYZ color **13.8797, 11.1996, 1.4302** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.7157, 5.6195, 26.3216**, and the grayscale version is **9.4122, 9.9024, 10.7837**.

A 20% lighter version of the original color is **32.5204, 28.1414, 7.4592**, and **4.2628, 2.9643, 0.3475** is the 20% darker color. If you saturate the color by 10%, you get **13.8798, 11.2000, 1.4303**, and if you desaturate by 10%, it is **14.4377, 12.1866, 2.0140**.

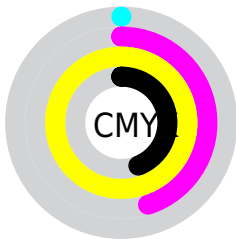
Distribution



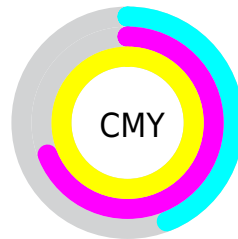
- Red (56%)
- Green (31%)
- Blue (0%)



- Red (46%)
- Yellow (56%)
- Blue (0%)



- Cyan (0%)
- Magenta (45%)
- Yellow (100%)
- Black (44%)





- Cyan (44%)
- Magenta (69%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 13.8797, 11.1996, 1.4302 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 13.8797, 11.1996, 1.4302 by changing the saturation by 10% instead.


 13.8797, 11.1996,
1.4302


 13.8797, 11.1996,
1.4302


 210.0068,
199.0319, 112.7857


 8.1182, 6.2013,
0.1651


 32.4635, 28.0287,
7.4146


 4.2231, 2.9678,
0.0000

 46.0164, 40.6282,
13.1715


 1.8291, 1.1150,
0.0000

 62.8973, 56.5302,
21.3295

 0.5351, 0.0000,
0.0000

 83.4713, 76.1192,
32.3072

 0.0000, 0.0000,
0.0000

 108.1039, 99.7794,
46.5231

 137.1605,

127.8953, 64.3958

■ 171.0063,
160.8513, 86.3439

■ 13.8797, 11.1996,
1.4302

■ 13.8797, 11.1996,
1.4302

■ 13.8798, 11.2000,
1.4303

■ 14.4377, 12.1866,
2.0140

■ 15.0940, 13.2852,
2.8928

■ 15.8775, 14.5093,
4.2112

■ 16.7993, 15.8651,
6.0220

■ 17.8688, 17.3581,
8.3704

■ 19.0948, 18.9936,
11.2964

■ 20.4850, 20.7761,
14.8361

■ 22.0467, 22.7102,
19.0228

■ 23.7866, 24.8002,
23.8873

Harmonies

Analogous

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



17.5875, 11.1996, 3.7252



13.8797, 11.1996, 1.4302



9.9573, 11.1996, 1.0551

Triad

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



13.8797, 11.1996, 1.4302



4.9919, 11.1996, 14.3205



15.3842, 11.1996, 37.5992

Complementary

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



13.8797, 11.1996, 1.4302



6.7157, 5.6195, 26.3216

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.



11.3634, 11.1996, 46.0919



13.8797, 11.1996, 1.4302



5.8223, 11.1996, 28.4642

Square

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



13.8797, 11.1996, 1.4302



5.3647, 11.1996, 5.5412



7.9563, 11.1996, 42.0274



18.5883, 11.1996, 22.7586

Rectangle

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



13.8797, 11.1996, 1.4302



7.8384, 11.1996, 1.4767



7.9563, 11.1996, 42.0274



14.0521, 11.1996, 41.5905

Sweetspot

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



13.8799, 11.2002, 1.4304



35.9619, 36.4328, 25.7388



12.1465, 6.1473, 5.7421



7.8240, 7.8728, 5.2113



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.



13.8799, 11.2002, 1.4304



24.3112, 19.4204, 2.4672



20.0331, 24.6866, 3.7092



5.6390, 5.8842, 5.7279



12.4807, 10.0932, 1.2904



0.1414, 0.1406, 0.0197

Inverse Universe

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



6.7157, 5.6195, 26.3216



11.6836, 9.5914, 46.3634



4.9417, 1.9836, 25.7133



5.3172, 5.6302, 6.8353



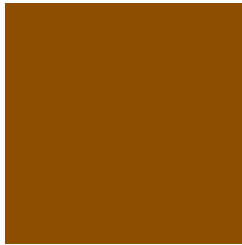
6.0476, 5.0813, 23.6391



0.0793, 0.0916, 0.2332

Previews

White Background



This preview shows how the XYZ color 13.8797, 11.1996, 1.4302 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 13.8797, 11.1996, 1.4302

Background



This preview shows how black text looks on a background with the XYZ color 13.8797, 11.1996, 1.4302.



This preview shows how white text looks on a background with the XYZ color 13.8797, 11.1996,

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

13.8797, 11.1996, 1.4302

Protanopia

10.2220, 11.3368, 1.9973

Deuteranopia

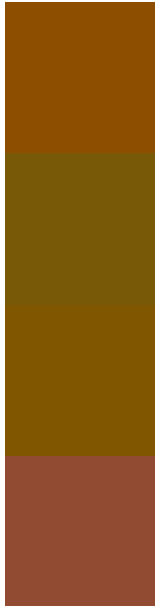
11.4019, 11.3054, 1.5812



Tritanopia

15.4347, 11.3349, 8.5821

Trichromacy



Original Color

13.8797, 11.1996, 1.4302

Protanomaly

11.3619, 11.1554, 1.7841

Deuteranomaly

12.2299, 11.2448, 1.5259

Tritanomaly

14.5934, 11.1917, 4.4087

Monochromacy



Original Color

13.8797, 11.1996, 1.4302

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

10.0685, 9.8143, 5.1051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8797, 11.1996, 1.4302 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(142, 78, 0)` looks like.

```
.text, #text, p{  
    color:rgb(142, 78, 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(142, 78, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 78, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.8797, 11.1996, 1.4302 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(142, 78, 0) }
```


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

```
.border{ border-color:rgb(142, 78, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 78, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 78, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 78, 0);  
box-shadow:4px 4px 4px 4px rgb(142, 78, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.8797, 11.1996, 1.4302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 78, 0) }
```

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

```
.background{ background-color: rgb(142, 78,  
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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