

Converting Colors

XYZ(13.1181, 9.9012, 0.3462)

Have a look what the booklet for
XYZ(13.1181, 9.9012, 0.3462)
contains.

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Color

**XYZ(13.2835, 10.0070,
1.2314)**

Conversions

Conversions Part 1

Format	Color
Hex	8E4500
RGB	142, 69, 0
RGB Percent	56%, 27%, 0%
CMY	0.4431, 0.7294, 1.0000
CMYK	0.00, 0.51, 1.00, 0.44
HSL	29°, 100%, 28%
HSV	29°, 100%, 56%
XYZ	13.2835, 10.0070, 1.2314
YIQ	82.9610, 65.6570, -5.9830

Conversions

Conversions Part 2

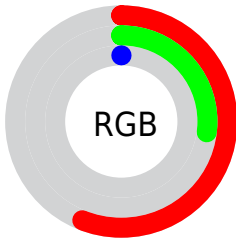
Format	Color
R_{YB}	142, 134, 0
Decimal	9323776
CIE Lab	37.85, 27.34, 47.96
CIE LCh	38, 55.206, 60.314
Yxy	10.0070, 0.5417, 0.4081
Android (android.graphics.Color)	4287513856 (0xFF8E4500)
YUV	82.9610, -40.8998, 51.7772
Hunter-Lab	31.6338, 19.5955, 19.8357

Details

The XYZ color **13.2835, 10.0070, 1.2314** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **7.2649, 6.7178, 26.5049**, and the grayscale version is **8.2856, 8.7171, 9.4929**.

A 20% lighter version of the original color is **31.2317, 25.6407, 6.7931**, and **4.0527, 2.5441, 0.2775** is the 20% darker color. If you saturate the color by 10%, you get **13.2837, 10.0074, 1.2315**, and if you desaturate by 10%, it is **13.8414, 10.9939, 1.8152**.

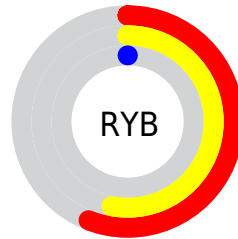
Distribution



Red (56%)

Green (27%)

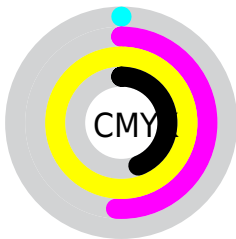
Blue (0%)



Red (56%)

Yellow (53%)

Blue (0%)

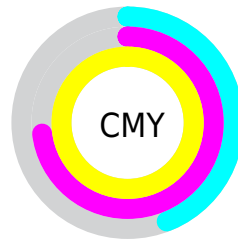


Cyan (0%)

Magenta (51%)

Yellow (100%)

Black (44%)



Cyan (44%)

Magenta (73%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2835, 10.0070, 1.2314 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 13.2835, 10.0070, 1.2314 by changing the saturation by 10% instead.

13.2835, 10.0070,
1.2314

13.2835, 10.0070,
1.2314

206.3278,
190.7220, 108.9895

7.7024, 5.4036,
0.0046

31.4092, 25.8087,
6.8066

3.9553, 2.4860,
0.0000

44.6845, 37.7757,
12.2752

1.6769, 0.8696,
0.0000

61.2552, 52.9661,
20.0893

0.4417, 0.0000,
0.0000


81.4867, 71.7642,
30.6672


0.0000, 0.0000,
0.0000


105.7443, 94.5545,
44.4277


134.3935,


121.7213, 61.7892


 167.7995,
153.6490, 83.1703


 13.2835, 10.0070,
1.2314


 13.2835, 10.0070,
1.2314


 13.2837, 10.0074,
1.2315

 13.8414, 10.9939,
1.8152

 14.5094, 12.1158,
2.6978

 15.3169, 13.3879,
4.0242

 16.2756, 14.8176,
5.8473

 17.3956, 16.4116,
8.2124

■ 18.6861, 18.1760,
11.1599

■ 20.1554, 20.1168,
14.7260

■ 21.8113, 22.2393,
18.9440

■ 23.6609, 24.5488,
23.8450

Harmonies

Analogous

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



16.6546, 10.0070, 3.7358



13.2835, 10.0070, 1.2314



9.4742, 10.0070, 0.7034

Triad

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



13.2835, 10.0070, 1.2314



4.2113, 10.0070, 11.0027



13.3641, 10.0070, 37.7579

Complementary

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



13.2835, 10.0070, 1.2314



7.2649, 6.7178, 26.5049

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.



9.5486, 10.0070, 44.1748



13.2835, 10.0070, 1.2314



4.7736, 10.0070, 23.9435

Square

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



13.2835, 10.0070, 1.2314



4.7501, 10.0070, 3.8269



6.5309, 10.0070, 38.0022



16.7086, 10.0070, 23.6332

Rectangle

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



13.2835, 10.0070, 1.2314



7.3447, 10.0070, 0.9434



6.5309, 10.0070, 38.0022



12.0671, 10.0070, 41.1730

Sweetspot

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



13.2837, 10.0075, 1.2316



35.3710, 35.2511, 25.5419



12.3702, 6.2367, 6.9192



7.6800, 7.5848, 5.1633



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.



13.2837, 10.0075, 1.2316



23.2621, 17.3222, 2.1175



20.4799, 24.4000, 3.6303



5.6116, 5.8295, 5.7188



11.9451, 9.0219, 1.1118



0.1361, 0.1301, 0.0179

Inverse Universe

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



7.2649, 6.7178, 26.5049



12.6466, 11.5174, 46.6844



4.9082, 2.0044, 25.7194



5.3444, 5.6846, 6.8443



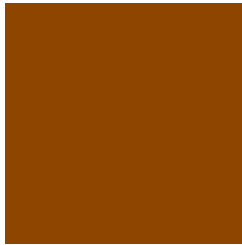
6.5412, 6.0685, 23.8037



0.0846, 0.1021, 0.2349

Previews

White Background



This preview shows how the XYZ color 13.2835, 10.0070, 1.2314 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 ✓ Pass

Black Background



This preview shows how the XYZ color 13.2835, 10.0070, 1.2314 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 13.2835, 10.0070, 1.2314

Background



This preview shows how black text looks on a background with the XYZ color 13.2835, 10.0070, 1.2314.



This preview shows how white text looks on a background with the XYZ color 13.2835, 10.0070,

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

13.2835, 10.0070, 1.2314

Protanopia

9.0956, 10.1081, 1.8524

Deuteranopia

10.1879, 10.0744, 1.4076



Tritanopia

14.4092, 10.0258, 6.8059

Trichromacy



Original Color

13.2835, 10.0070, 1.2314

Protanomaly

10.2636, 9.7651, 1.5736

Deuteranomaly

11.1082, 9.8771, 1.3210

Tritanomaly

13.7305, 9.9179, 3.5735

Monochromacy



Original Color

13.2835, 10.0070, 1.2314

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

9.0759, 8.6489, 4.5592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2835, 10.0070, 1.2314 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, 69, 0)` looks like.

```
.text, #text, p{  
  color:rgb(142, 69, 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, 69, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 69, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.2835, 10.0070, 1.2314 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, 69, 0) }
```


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

```
.border{ border-color:rgb(142, 69, 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, 69, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 69, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 69, 0);  
box-shadow:4px 4px 4px 4px rgb(142, 69, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.2835, 10.0070, 1.2314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 69, 0) }
```

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

```
.background{ background-color: rgb(142, 69,  
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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