

Converting Colors

XYZ(13.8160, 12.9480, 2.0640)

Have a look what the booklet for
XYZ(13.8160, 12.9480, 2.0640)
contains.

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Color

**XYZ(13.8007, 12.9189,
2.0534)**

Conversions

Conversions Part 1

Format	Color
Hex	865D0A
RGB	134, 93, 10
RGB Percent	53%, 36%, 4%
CMY	0.4745, 0.6353, 0.9608
CMYK	0.00, 0.31, 0.93, 0.47
HSL	40°, 86%, 28%
HSV	40°, 93%, 53%
XYZ	13.8007, 12.9189, 2.0534
YIQ	95.7970, 51.0790, -17.1210

Conversions

Conversions Part 2

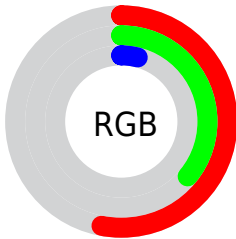
Format	Color
R_{YB}	71, 134, 10
Decimal	8805642
CIE Lab	42.64, 10.04, 47.87
CIE LCh	43, 48.910, 78.158
Yxy	12.9189, 0.4796, 0.4490
Android (android.graphics.Color)	4286995722 (0xFF865D0A)
YUV	95.7970, -42.2979, 33.5040
Hunter-Lab	35.9429, 5.6372, 21.7728

Details

The XYZ color **13.8007, 12.9189, 2.0534** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.6122, 4.1536, 23.0602**, and the grayscale version is **11.1600, 11.7411, 12.7861**.

A 20% lighter version of the original color is **32.2337, 31.0915, 9.1528**, and **4.2410, 3.6953, 0.4897** is the 20% darker color. If you saturate the color by 10%, you get **13.4620, 12.3294, 1.6703**, and if you desaturate by 10%, it is **14.3052, 13.7616, 2.7344**.

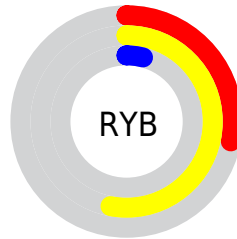
Distribution



Red (53%)

Green (36%)

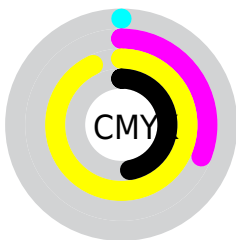
Blue (4%)



Red (28%)

Yellow (53%)

Blue (4%)

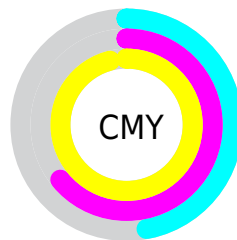


Cyan (0%)

Magenta (31%)

Yellow (93%)

Black (47%)



Cyan (47%)

Magenta (64%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8007, 12.9189, 2.0534 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 13.8007, 12.9189, 2.0534 by changing the saturation by 10% instead.

■ 13.8007, 12.9189,
2.0534

■ 13.8007, 12.9189,
2.0534

209.5229,
210.3973, 123.2005

■ 8.0630, 7.3727,
0.5878

■ 32.3242, 31.1580,
9.1863

■ 4.1874, 3.6963,
0.0000

■ 45.8407, 44.6197,
15.7375

■ 1.8087, 1.5052,
0.0000

■ 62.6808, 61.4888,
24.8367

■ 0.5229, 0.2924,
0.0000

■ 83.2098, 82.1495,
36.9024


■ 0.0000, 0.0000,
0.0000


■ 107.7932,
106.9863, 52.3531


■ 136.7963,


136.3836, 71.6073


 170.5844,
170.7258, 95.0836


 13.8007, 12.9189,
2.0534

 13.8007, 12.9189,
2.0534


 13.4620, 12.3294,
1.6703

 14.3052, 13.7616,
2.7344

 14.9005, 14.6768,
3.7818

 15.5962, 15.6693,
5.2434

 16.4003, 16.7430,
7.1592

 17.3198, 17.9013,
9.5646

■ 18.3611, 19.1471,
12.4916

■ 19.5301, 20.4834,
15.9693

■ 20.8321, 21.9128,
20.0246

■ 22.2723, 23.4379,
24.6829

Harmonies

Analogous

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



17.6743, 12.9189, 3.6807



13.8007, 12.9189, 2.0534



10.1889, 12.9189, 2.2190

Triad

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



13.8007, 12.9189, 2.0534



6.6749, 12.9189, 21.4356



18.3917, 12.9189, 32.5519

Complementary

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



13.8007, 12.9189, 2.0534



5.6122, 4.1536, 23.0602

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.



14.6370, 12.9189, 43.7470



13.8007, 12.9189, 2.0534



8.1114, 12.9189, 35.4143

Square

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



13.8007, 12.9189, 2.0534



6.5405, 12.9189, 10.2792



10.8735, 12.9189, 44.9990



20.6600, 12.9189, 18.6855

Rectangle

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



13.8007, 12.9189, 2.0534



8.3806, 12.9189, 3.3462



10.8735, 12.9189, 44.9990



17.2305, 12.9189, 36.9987

Sweetspot

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



13.8010, 12.9196, 2.0536



33.1299, 34.6383, 24.2909



10.5451, 5.5275, 3.6822



7.2972, 7.6107, 4.9844



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.8010, 12.9196, 2.0536



23.5754, 21.4364, 2.8951



15.4331, 20.6051, 3.4511



4.9134, 5.1704, 4.9684



12.6259, 11.5745, 1.5686



0.0504, 0.0535, 0.0077

Inverse Universe

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



5.6122, 4.1536, 23.0602



9.0612, 5.9918, 40.4174



4.9669, 2.2247, 22.7219



4.5510, 4.7776, 5.8831



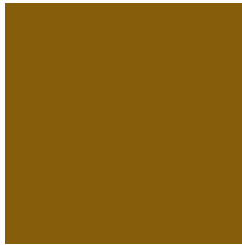
4.8965, 3.3407, 21.5234



0.0231, 0.0239, 0.0766

Previews

White Background



This preview shows how the XYZ color 13.8007, 12.9189, 2.0534 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 13.8007, 12.9189, 2.0534 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 13.8007, 12.9189, 2.0534

Background



This preview shows how black text looks on a background with the XYZ color 13.8007, 12.9189, 2.0534.



This preview shows how white text looks on a background with the XYZ color 13.8007, 12.9189,

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

13.8007, 12.9189, 2.0534

Protanopia

11.6658, 12.9138, 2.2585

Deuteranopia

13.1124, 12.9659, 1.9552



Tritanopia

15.7848, 12.8492, 12.0041

Trichromacy



Original Color

13.8007, 12.9189, 2.0534

Protanomaly

12.3192, 12.8269, 2.1744

Deuteranomaly

13.3365, 12.9456, 1.9969

Tritanomaly

14.7861, 12.8220, 6.3982

Monochromacy



Original Color

13.8007, 12.9189, 2.0534

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.4768, 11.8811, 6.6894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8007, 12.9189, 2.0534 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(134, 93, 10)` looks like.

```
.text, #text, p{  
    color:rgb(134, 93, 10)  
}
```

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(134, 93, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 93, 10) }
```

Border

The CSS property to change the border of an element to XYZ 13.8007, 12.9189, 2.0534 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(134, 93, 10) }
```


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

```
.border{ border-color:rgb(134, 93, 10) }
```

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

Here you see how a box with a 4 pixel rgb(134, 93, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 93, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 93, 10);  
box-shadow:4px 4px 4px 4px rgb(134, 93,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8007, 12.9189, 2.0534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 93, 10) }
```

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

```
.background{ background-color: rgb(134, 93,  
10) }
```

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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