

Converting Colors

XYZ(12.8735, 10.5128, 1.8810)

Have a look what the booklet for
XYZ(12.8735, 10.5128, 1.8810)
contains.

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Color

**XYZ(12.9084, 10.5825,
1.8926)**

Conversions

Conversions Part 1

Format	Color
Hex	884D11
RGB	136, 77, 17
RGB Percent	53%, 30%, 7%
CMY	0.4667, 0.6980, 0.9333
CMYK	0.00, 0.43, 0.87, 0.47
HSL	30°, 78%, 30%
HSV	30°, 87%, 53%
XYZ	12.9084, 10.5825, 1.8926
YIQ	87.8010, 54.4240, -6.1520

Conversions

Conversions Part 2

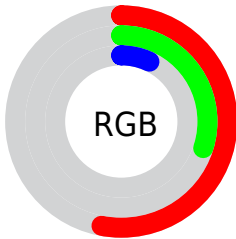
Format	Color
RYB	134, 136, 17
Decimal	8932625
CIELab	38.87, 20.51, 42.79
CIELCh	39, 47.453, 64.394
Yxy	10.5825, 0.5085, 0.4169
Android (android.graphics.Color)	4287122705 (0xFF884D11)
YUV	87.8010, -34.9049, 42.2705
Hunter-Lab	32.5308, 13.9011, 19.3221

Details

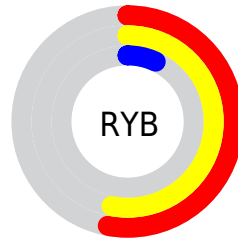
The XYZ color **12.9084, 10.5825, 1.8926** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **7.2594, 7.0653, 24.2734**, and the grayscale version is **9.2981, 9.7823, 10.6530**.

A 20% lighter version of the original color is **30.6924, 26.7844, 8.7065**, and **3.8248, 2.7385, 0.3270** is the 20% darker color. If you saturate the color by 10%, you get **12.3785, 9.6548, 1.3089**, and if you desaturate by 10%, it is **13.5461, 11.6325, 2.8004**.

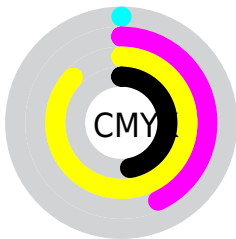
Distribution



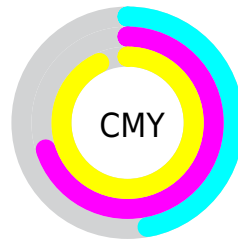
- Red (53%)
- Green (30%)
- Blue (7%)



- Red (53%)
- Yellow (53%)
- Blue (7%)



- Cyan (0%)
- Magenta (43%)
- Yellow (87%)
- Black (47%)





- Cyan (47%)
- Magenta (70%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.9084, 10.5825, 1.8926 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 12.9084, 10.5825, 1.8926 by changing the saturation by 10% instead.


 12.9084, 10.5825,
1.8926


 12.9084, 10.5825,
1.8926


203.9793,
194.7804, 120.6861


 7.4421, 5.7868,
0.4880


 30.7418, 26.8855,
8.7450


 3.7888, 2.7159,
0.0000

 43.8397, 39.1617,
15.1041


 1.5834, 0.9853,
0.0000

 60.2120, 54.7001,
23.9764

 0.3815, 0.0000,
0.0000


 80.2242, 73.8852,
35.7806


 0.0000, 0.0000,
0.0000


 104.2417, 97.1014,
50.9351


 132.6298,


124.7331, 69.8585


 165.7539,
157.1646, 92.9693


 12.9084, 10.5825,
1.8926


 12.9084, 10.5825,
1.8926


 12.3785, 9.6548,
1.3089


 13.5461, 11.6325,
2.8004

 12.2553, 9.4384,
1.1759

 14.3093, 12.8127,
4.1218

 15.2081, 14.1300,
5.9025

 16.2512, 15.5897,
8.1817

 17.4466, 17.1972,
10.9946

■ 18.8013, 18.9573,
14.3731

■ 20.3221, 20.8744,
18.3464

■ 22.0151, 22.9530,
22.9418

■ 23.8864, 25.1971,
28.1849

Harmonies

Analogous

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



15.9271, 10.5825, 4.2409



12.9084, 10.5825, 1.8926



9.6016, 10.5825, 1.4391

Triad

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



12.9084, 10.5825, 1.8926



5.1488, 10.5825, 12.9028



13.8807, 10.5825, 32.5701

Complementary

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



12.9084, 10.5825, 1.8926



7.2594, 7.0653, 24.2734

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.



10.5294, 10.5825, 38.8994



12.9084, 10.5825, 1.8926



5.8439, 10.5825, 24.3550

Square

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



12.9084, 10.5825, 1.8926



5.5268, 10.5825, 5.5359



7.6621, 10.5825, 35.2989



16.5657, 10.5825, 20.7582

Rectangle

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



12.9084, 10.5825, 1.8926



7.7593, 10.5825, 1.8465



7.6621, 10.5825, 35.2989



12.7719, 10.5825, 35.6268

Sweetspot

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



12.9086, 10.5831, 1.8928



33.3716, 33.7124, 25.9389



11.6757, 6.1640, 7.5035



7.5543, 7.5843, 5.5633



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.



12.9086, 10.5831, 1.8928



21.4423, 16.3225, 2.0204



19.0585, 22.8828, 3.9427



5.2276, 5.4381, 5.3265



11.6087, 8.9519, 1.1160



0.0918, 0.0887, 0.0123

Inverse Universe

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



7.2594, 7.0653, 24.2734



11.2584, 9.9864, 42.3825



4.8756, 2.2977, 23.4789



4.9660, 5.2750, 6.3623



6.1390, 5.5484, 22.7931



0.0554, 0.0661, 0.1563

Previews

White Background



This preview shows how the XYZ color 12.9084, 10.5825, 1.8926 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 12.9084, 10.5825, 1.8926

Background



This preview shows how black text looks on a background with the XYZ color 12.9084, 10.5825, 1.8926.



This preview shows how white text looks on a background with the XYZ color 12.9084, 10.5825,

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

12.9084, 10.5825, 1.8926

Protanopia

9.6714, 10.6515, 2.2557

Deuteranopia

10.6545, 10.5469, 1.7039



Tritanopia

14.3044, 10.6595, 8.3247

Trichromacy



Original Color

12.9084, 10.5825, 1.8926

Protanomaly

10.7369, 10.5799, 2.1380

Deuteranomaly

11.3220, 10.4216, 1.7314

Tritanomaly

13.6196, 10.5767, 4.9381

Monochromacy



Original Color

12.9084, 10.5825, 1.8926

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

9.8655, 9.6917, 5.9081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9084, 10.5825, 1.8926 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(136, 77, 17)` looks like.

```
.text, #text, p{  
    color:rgb(136, 77, 17)  
}
```

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(136, 77, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 77, 17) }
```

Border

The CSS property to change the border of an element to XYZ 12.9084, 10.5825, 1.8926 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(136, 77, 17) }
```


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

```
.border{ border-color:rgb(136, 77, 17) }
```

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

Here you see how a box with a 4 pixel rgb(136, 77, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 77, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 77, 17);  
box-shadow:4px 4px 4px 4px rgb(136, 77,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9084, 10.5825, 1.8926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 77, 17) }
```

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

```
.background{ background-color: rgb(136, 77,  
17) }
```

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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