

Converting Colors

XYZ(12.3209, 10.0879, 3.8920)

Have a look what the booklet for
XYZ(12.3209, 10.0879, 3.8920)
contains.

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Color

**XYZ(12.2835, 10.1120,
3.8892)**

Conversions

Conversions Part 1

Format	Color
Hex	824C2E
RGB	130, 76, 46
RGB Percent	51%, 30%, 18%
CMY	0.4902, 0.7019, 0.8196
CMYK	0.00, 0.42, 0.65, 0.49
HSL	21°, 48%, 35%
HSV	21°, 65%, 51%
XYZ	12.2835, 10.1120, 3.8892
YIQ	88.7260, 41.8140, 2.1180

Conversions

Conversions Part 2

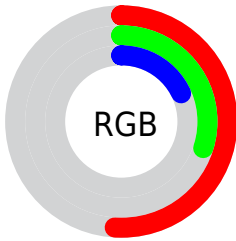
Format	Color
R_{YB}	130, 93, 46
Decimal	8539182
CIE Lab	38.04, 19.85, 27.31
CIE LCh	38, 33.762, 53.989
Yxy	10.1120, 0.4673, 0.3847
Android (android.graphics.Color)	4286729262 (0xFF824C2E)
YUV	88.7260, -21.0639, 36.1973
Hunter-Lab	31.7994, 13.3023, 15.0081

Details

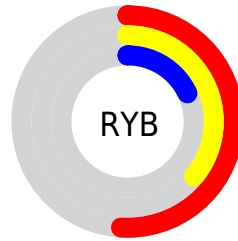
The XYZ color **12.2835, 10.1120, 3.8892** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.7128, 11.3062, 22.7893**, and the grayscale version is **9.4738, 9.9672, 10.8543**.

A 20% lighter version of the original color is **29.5591, 25.8966, 13.7965**, and **3.5506, 2.5578, 0.3066** is the 20% darker color. If you saturate the color by 10%, you get **11.5262, 8.9474, 2.5585**, and if you desaturate by 10%, it is **13.1937, 11.4584, 5.6541**.

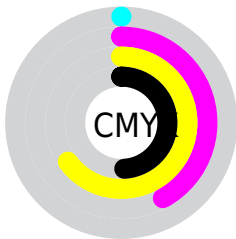
Distribution



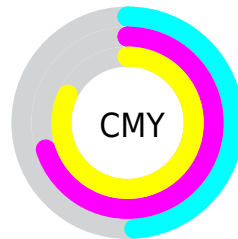
- Red (51%)
- Green (30%)
- Blue (18%)



- Red (51%)
- Yellow (36%)
- Blue (18%)



- Cyan (0%)
- Magenta (42%)
- Yellow (65%)
- Black (49%)





- Cyan (49%)
- Magenta (70%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.2835, 10.1120, 3.8892 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 12.2835, 10.1120, 3.8892 by changing the saturation by 10% instead.


 12.2835, 10.1120,
3.8892


 12.2835, 10.1120,
3.8892


200.0050,
191.4696, 146.9858


 7.0106, 5.4733,
1.5648


 29.6228, 26.0059,
13.7534


 3.5151, 2.5275,
0.2655

 42.4199, 38.0300,
22.1303


 1.4317, 0.8904,
0.0000

 58.4559, 53.2845,
33.3616

 0.2786, 0.0000,
0.0000

 78.0960, 72.1541,
47.8661

 0.0000, 0.0000,
0.0000

 101.7056, 95.0229,
66.0622

 129.6500,

122.2756, 88.3685

162.2947,
154.2963, 115.2035

■ 12.2835, 10.1120,
3.8892

■ 12.2835, 10.1120,
3.8892

■ 11.5262, 8.9474,
2.5585

■ 13.1937, 11.4584,
5.6541

■ 10.9111, 7.9542,
1.6221

■ 14.2652, 12.9929,
7.8871

■ 10.4252, 7.1231,
1.0265

■ 15.5064, 14.7234,
10.6192

■ 10.1999, 6.7339,
0.7622

■ 16.9252, 16.6570,
13.8786

■ 18.5285, 18.8003,
17.6915

■ 20.3232, 21.1595,
22.0821

■ 22.3156, 23.7407,
27.0735

■ 24.5119, 26.5497,
32.6872

■ 26.9177, 29.5920,
38.9438

Harmonies

Analogous

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



13.9572, 10.1120, 6.8258



12.2835, 10.1120, 3.8892



10.0554, 10.1120, 2.8815

Triad

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



12.2835, 10.1120, 3.8892



6.0253, 10.1120, 9.8040



11.4123, 10.1120, 25.9644

Complementary

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



12.2835, 10.1120, 3.8892



9.7128, 11.3062, 22.7893

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.



9.1802, 10.1120, 27.7175



12.2835, 10.1120, 3.8892



6.2763, 10.1120, 16.6284

Square

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



12.2835, 10.1120, 3.8892



6.6115, 10.1120, 5.3661



7.3576, 10.1120, 23.8067



13.4035, 10.1120, 19.6525

Rectangle

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



12.2835, 10.1120, 3.8892



8.6359, 10.1120, 3.0014



7.3576, 10.1120, 23.8067



10.6572, 10.1120, 27.1858

Sweetspot

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



12.2837, 10.1125, 3.8894



31.2292, 31.2444, 27.7979



12.5123, 7.6316, 13.0230



6.9164, 6.8682, 5.9312



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.2837, 10.1125, 3.8894



19.7105, 14.8190, 3.5739



16.1070, 17.7590, 5.1638



4.4437, 4.5762, 4.5692



9.7862, 6.4689, 0.7328



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.7128, 11.3062, 22.7893



14.7471, 17.0069, 39.6979



6.6995, 5.2796, 21.7849



4.3212, 4.6364, 5.4804



6.8776, 7.5737, 21.3493



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.2835, 10.1120, 3.8892 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 12.2835, 10.1120, 3.8892 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 12.2835, 10.1120, 3.8892

Background



This preview shows how black text looks on a background with the XYZ color 12.2835, 10.1120, 3.8892.



This preview shows how white text looks on a background with the XYZ color 12.2835, 10.1120,

3.8892.

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

12.2835, 10.1120, 3.8892

Protanopia

9.3993, 10.2040, 4.6061

Deuteranopia

10.3380, 10.2169, 3.8101



Tritanopia

13.1726, 10.0761, 8.2718

Trichromacy



Original Color

12.2835, 10.1120, 3.8892

Protanomaly

10.2333, 10.0337, 4.3031

Deuteranomaly

10.9622, 10.0756, 3.8496

Tritanomaly

12.7260, 9.9837, 6.4106

Monochromacy



Original Color

12.2835, 10.1120, 3.8892

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.0818, 9.7647, 7.6567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2835, 10.1120, 3.8892 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(130, 76, 46)` looks like.

```
.text, #text, p{  
    color:rgb(130, 76, 46)  
}
```

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(130, 76, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 76, 46) }
```

Border

The CSS property to change the border of an element to XYZ 12.2835, 10.1120, 3.8892 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(130, 76, 46) }
```


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

```
.border{ border-color:rgb(130, 76, 46) }
```

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

Here you see how a box with a 4 pixel rgb(130, 76, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 76, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 76, 46);  
box-shadow:4px 4px 4px 4px rgb(130, 76,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2835, 10.1120, 3.8892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 76, 46) }
```

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

```
.background{ background-color: rgb(130, 76,  
46) }
```

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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