

Converting Colors

XYZ(12.3514, 8.8399, 1.4109)

Have a look what the booklet for
XYZ(12.3514, 8.8399, 1.4109)
contains.

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Color

**XYZ(12.3826, 8.8530,
1.4040)**

Conversions

Conversions Part 1

Format	Color
Hex	8B3D0C
RGB	139, 61, 12
RGB Percent	55%, 24%, 5%
CMY	0.4549, 0.7608, 0.9529
CMYK	0.00, 0.56, 0.91, 0.45
HSL	23°, 84%, 30%
HSV	23°, 91%, 55%
XYZ	12.3826, 8.8530, 1.4040
YIQ	78.7360, 62.2170, 1.2970

Conversions

Conversions Part 2

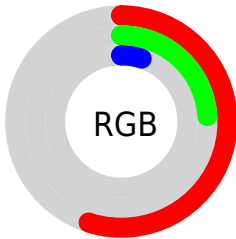
Format	Color
RYB	139, 92, 12
Decimal	9125132
CIELab	35.70, 30.63, 42.24
CIElCh	36, 52.174, 54.054
Yxy	8.8530, 0.5469, 0.3910
Android (android.graphics.Color)	4287315212 (0xFF8B3D0C)
YUV	78.7360, -32.9008, 52.8515
Hunter-Lab	29.7540, 22.2161, 18.0301

Details

The XYZ color **12.3826, 8.8530, 1.4040** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **8.4678, 9.2541, 25.7659**, and the grayscale version is **7.4342, 7.8214, 8.5175**.

A 20% lighter version of the original color is **29.7069, 23.4945, 7.3841**, and **3.6111, 2.0568, 0.2067** is the 20% darker color. If you saturate the color by 10%, you get **11.9496, 8.0933, 0.9324**, and if you desaturate by 10%, it is **12.9944, 9.8862, 2.1949**.

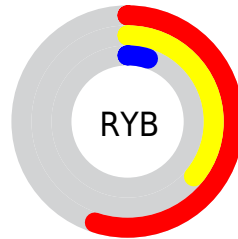
Distribution



Red (55%)

Green (24%)

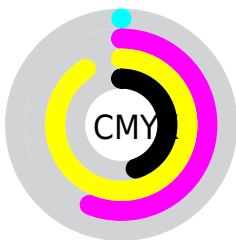
Blue (5%)



Red (55%)

Yellow (36%)

Blue (5%)

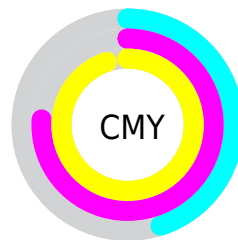


Cyan (0%)

Magenta (56%)

Yellow (91%)

Black (45%)



Cyan (45%)


Magenta (76%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.3826, 8.8530, 1.4040 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 12.3826, 8.8530, 1.4040 by changing the saturation by 10% instead.


 12.3826, 8.8530,
1.4040


 12.3826, 8.8530,
1.4040


 200.6406,
182.2775, 112.3017


 7.0789, 4.6454,
0.1448


 29.8009, 23.6145,
7.3359


 3.5582, 2.0408,
0.0000

 42.6461, 34.9372,
13.0560


 1.4554, 0.6310,
0.0000

 58.7359, 49.4003,
21.1702

 0.2952, 0.0000,
0.0000

 78.4357, 67.3884,
32.0970

 0.0000, 0.0000,
0.0000


 102.1106, 89.2858,
46.2550


 130.1262,

115.4768, 64.0628


 162.8477,
146.3459, 85.9388


 12.3826, 8.8530,
1.4040


 12.3826, 8.8530,
1.4040

 11.9496, 8.0933,
0.9324

 12.9944, 9.8862,
2.1949

 13.7570, 11.1007,
3.4075

 14.6834, 12.5066,
5.0936

 15.7845, 14.1131,
7.2976

 17.0705, 15.9285,
10.0585

■ 18.5503, 17.9604,
13.4116

■ 20.2324, 20.2163,
17.3892

■ 22.1248, 22.7031,
22.0213

■ 24.2348, 25.4275,
27.3360

Harmonies

Analogous

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



15.0475, 8.8530, 4.2553



12.3826, 8.8530, 1.4040



9.0417, 8.8530, 0.6752

Triad

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



12.3826, 8.8530, 1.4040



3.7988, 8.8530, 7.9901



11.0607, 8.8530, 34.8291

Complementary

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



12.3826, 8.8530, 1.4040



8.4678, 9.2541, 25.7659

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.



7.8170, 8.8530, 38.1775



12.3826, 8.8530, 1.4040



4.0892, 8.8530, 18.3154

Square

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



12.3826, 8.8530, 1.4040



4.4794, 8.8530, 2.7263



5.4001, 8.8530, 30.8613



14.1634, 8.8530, 23.3806

Rectangle

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



12.3826, 8.8530, 1.4040



7.0594, 8.8530, 0.7648



5.4001, 8.8530, 30.8613



9.9329, 8.8530, 37.1467

Sweetspot

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



12.3828, 8.8535, 1.4041



34.3152, 33.6427, 26.5747



12.6379, 6.4955, 10.3315



7.7076, 7.4829, 5.6568



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.



12.3828, 8.8535, 1.4041



21.2491, 14.1925, 1.6195



17.9445, 19.9768, 3.2580



5.1808, 5.3444, 5.3109



10.8008, 7.3361, 0.8467



0.0852, 0.0756, 0.0101

Inverse Universe

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



8.4678, 9.2541, 25.7659



14.0509, 14.7489, 45.8492



5.1996, 2.7178, 24.6765



5.0135, 5.3699, 6.3781



7.1810, 7.6322, 23.1404



0.0619, 0.0792, 0.1585

Previews

White Background



This preview shows how the XYZ color 12.3826, 8.8530, 1.4040 looks on a white background.

Color Contrast Check

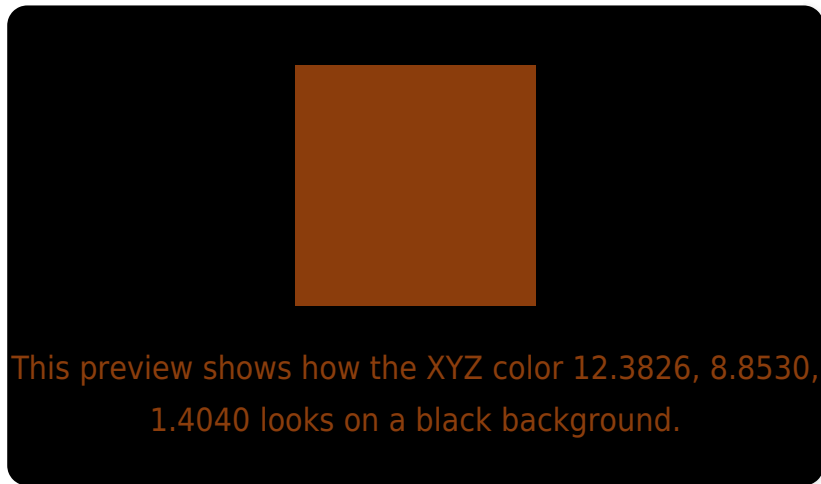
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 12.3826, 8.8530, 1.4040

Background



This preview shows how black text looks on a background with the XYZ color 12.3826, 8.8530, 1.4040.



This preview shows how white text looks on a background with the XYZ color 12.3826, 8.8530,

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

12.3826, 8.8530, 1.4040

Protanopia

8.0854, 8.9769, 1.9227

Deuteranopia

8.9321, 8.8631, 1.2400



Tritanopia

13.2899, 8.9259, 5.4373

Trichromacy



Original Color

12.3826, 8.8530, 1.4040

Protanomaly

9.2335, 8.5858, 1.6608

Deuteranomaly

10.0122, 8.6958, 1.2656

Tritanomaly

12.7643, 8.7760, 3.3067

Monochromacy



Original Color

12.3826, 8.8530, 1.4040

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

8.3738, 7.6773, 4.6549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3826, 8.8530, 1.4040 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(139, 61, 12)` looks like.

```
.text, #text, p{  
    color:rgb(139, 61, 12)  
}
```

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(139, 61, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 61, 12) }
```

Border

The CSS property to change the border of an element to XYZ 12.3826, 8.8530, 1.4040 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(139, 61, 12) }
```


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

```
.border{ border-color:rgb(139, 61, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 61, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 61, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 61, 12);  
box-shadow:4px 4px 4px 4px rgb(139, 61,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3826, 8.8530, 1.4040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 61, 12) }
```

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

```
.background{ background-color: rgb(139, 61,  
12) }
```

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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