

Converting Colors

XYZ(12.3797, 8.5405, 3.1315)

Have a look what the booklet for
XYZ(12.3797, 8.5405, 3.1315)
contains.

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Color

**XYZ(12.3446, 8.4896,
3.0859)**

Conversions

Conversions Part 1

Format	Color
Hex	8A3929
RGB	138, 57, 41
RGB Percent	54%, 22%, 16%
CMY	0.4588, 0.7765, 0.8392
CMYK	0.00, 0.59, 0.70, 0.46
HSL	10°, 54%, 35%
HSV	10°, 70%, 54%
XYZ	12.3446, 8.4896, 3.0859
YIQ	79.3950, 53.4120, 12.1960

Conversions

Conversions Part 2

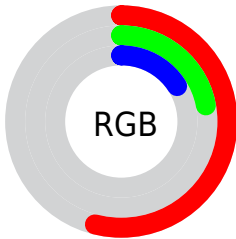
Format	Color
R_{YB}	138, 60, 41
Decimal	9058601
CIE _{Lab}	34.98, 33.46, 26.92
CIE _{LCh}	35, 42.946, 38.822
Yxy	8.4896, 0.5161, 0.3549
Android (android.graphics.Color)	4287248681 (0xFF8A3929)
YUV	79.3950, -18.9287, 51.3966
Hunter-Lab	29.1369, 24.6365, 14.1164

Details

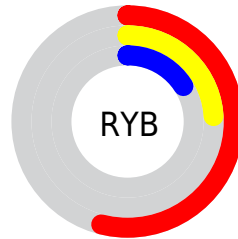
The XYZ color **12.3446, 8.4896, 3.0859** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **12.4610, 16.2245, 26.5195**, and the grayscale version is **7.5362, 7.9287, 8.6343**.

A 20% lighter version of the original color is **29.7429, 22.9393, 11.8769**, and **3.6215, 1.9475, 0.1850** is the 20% darker color. If you saturate the color by 10%, you get **11.6382, 7.3970, 1.8635**, and if you desaturate by 10%, it is **13.2652, 9.8756, 4.7965**.

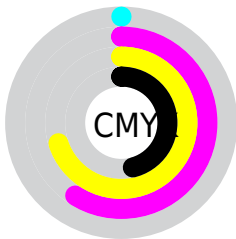
Distribution



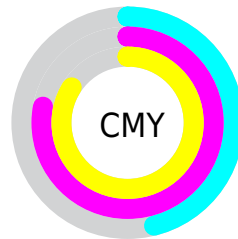
- Red (54%)
- Green (22%)
- Blue (16%)



- Red (54%)
- Yellow (24%)
- Blue (16%)



- Cyan (0%)
- Magenta (59%)
- Yellow (70%)
- Black (46%)




- Cyan (46%)
- Magenta (78%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.3446, 8.4896, 3.0859 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 12.3446, 8.4896, 3.0859 by changing the saturation by 10% instead.

 12.3446, 8.4896,
3.0859


 12.3446, 8.4896,
3.0859


200.3971,
179.5233, 137.4473


 7.0527, 4.4098,
1.1387


 29.7326, 22.9128,
11.8397


 3.5417, 1.9053,
0.0000

 42.5595, 34.0250,
19.4833


 1.4463, 0.5516,
0.0000

 58.6286, 48.2501,
29.8628

 0.2888, 0.0000,
0.0000

 78.3055, 65.9726,
43.3967

 0.0000, 0.0000,
0.0000

 101.9554, 87.5767,
60.5036

 129.9438,

113.4469, 81.6019

162.6359,
143.9677, 107.1103

12.3446, 8.4896,
3.0859

12.3446, 8.4896,
3.0859

11.6382, 7.3970,
1.8635

13.2652, 9.8756,
4.7965

11.1273, 6.5750,
1.0771

14.4154, 11.5728,
7.0395

10.7830, 6.0069,
0.5911

15.8098, 13.5993,
9.8546

17.4617, 15.9714,
13.2774

19.3833, 18.7041,
17.3408

■ 21.5859, 21.8119,
22.0753

■ 24.0805, 25.3082,
27.5094

■ 26.8772, 29.2057,
33.6699

■ 29.9858, 33.5168,
40.5822

Harmonies

Analogous

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



13.7049, 8.4896, 7.3176



12.3446, 8.4896, 3.0859



9.9017, 8.4896, 1.4916

Triad

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



12.3446, 8.4896, 3.0859



4.4128, 8.4896, 5.1621



8.8166, 8.4896, 30.1365

Complementary

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



12.3446, 8.4896, 3.0859



12.4610, 16.2245, 26.5195

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.



6.4778, 8.4896, 28.5072



12.3446, 8.4896, 3.0859



4.2389, 8.4896, 11.4812

Square

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



12.3446, 8.4896, 3.0859



5.4518, 8.4896, 2.1961



4.9160, 8.4896, 20.6047



11.4131, 8.4896, 24.3275

Rectangle

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



12.3446, 8.4896, 3.0859



8.1668, 8.4896, 1.2372



4.9160, 8.4896, 20.6047



7.9722, 8.4896, 30.4839

Sweetspot

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



12.3448, 8.4901, 3.0860



33.7487, 32.3773, 29.6759



14.8775, 8.4306, 19.7300



7.3842, 6.9989, 6.2621



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.



12.3448, 8.4901, 3.0860



19.9781, 12.1843, 2.4329



15.8368, 15.4741, 4.2500



5.0953, 5.1734, 5.2824



9.8944, 5.5232, 0.5446



0.0730, 0.0512, 0.0060

Inverse Universe

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



12.4610, 16.2245, 26.5195



20.0969, 26.5220, 46.4432



8.0147, 7.3319, 25.0374



5.1038, 5.5506, 6.4082



9.8603, 12.9909, 24.0335



0.0742, 0.1036, 0.1625

Previews

White Background



This preview shows how the XYZ color 12.3446, 8.4896, 3.0859 looks on a white background.

Color Contrast Check

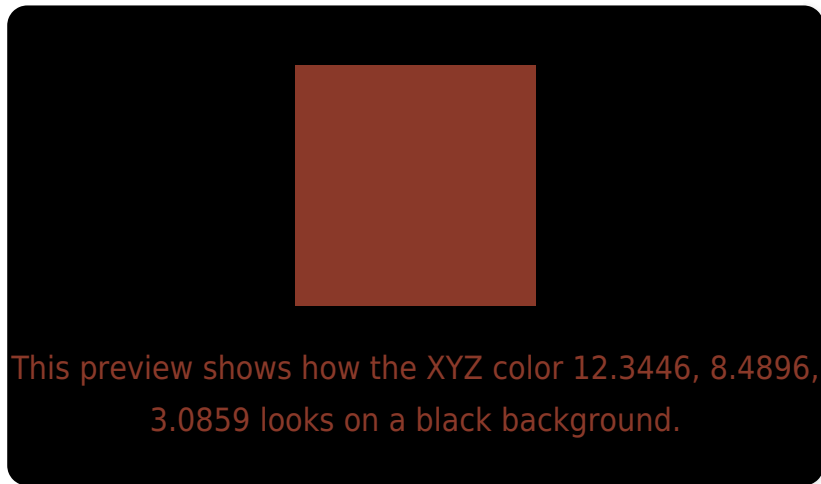
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3446, 8.4896, 3.0859

Background



This preview shows how black text looks on a background with the XYZ color 12.3446, 8.4896, 3.0859.



This preview shows how white text looks on a background with the XYZ color 12.3446, 8.4896,

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

12.3446, 8.4896, 3.0859

Protanopia

7.9834, 8.6409, 4.2647

Deuteranopia

8.7079, 8.6029, 2.8706



Tritanopia

12.7774, 8.5268, 4.9754

Trichromacy



Original Color

12.3446, 8.4896, 3.0859

Protanomaly

9.1462, 8.2909, 3.8076

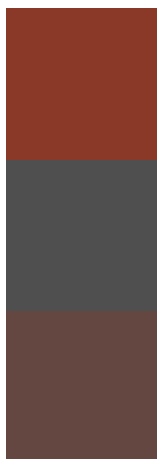
Deuteranomaly

9.8055, 8.3594, 2.9304

Tritanomaly

12.6815, 8.5652, 4.2337

Monochromacy



Original Color

12.3446, 8.4896, 3.0859

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

8.4629, 7.5975, 6.0214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3446, 8.4896, 3.0859 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(138, 57, 41)` looks like.

```
.text, #text, p{  
    color:rgb(138, 57, 41)  
}
```

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(138, 57, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 57, 41) }
```

Border

The CSS property to change the border of an element to XYZ 12.3446, 8.4896, 3.0859 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(138, 57, 41) }
```


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

```
.border{ border-color:rgb(138, 57, 41) }
```

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

Here you see how a box with a 4 pixel rgb(138, 57, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 57, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 57, 41);  
box-shadow:4px 4px 4px 4px rgb(138, 57,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3446, 8.4896, 3.0859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 57, 41) }
```

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

```
.background{ background-color: rgb(138, 57,  
41) }
```

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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