

Converting Colors

XYZ(12.5421, 8.9666, 1.0697)

Have a look what the booklet for
XYZ(12.5421, 8.9666, 1.0697)
contains.

XYZ(12.4840, 8.9129, 1.0624)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.4840, 8.9129,
1.0624)**

Conversions

Conversions Part 1

Format	Color
Hex	8C3D00
RGB	140, 61, 0
RGB Percent	55%, 24%, 0%
CMY	0.4510, 0.7608, 1.0000
CMYK	0.00, 0.56, 1.00, 0.45
HSL	26°, 100%, 27%
HSV	26°, 100%, 55%
XYZ	12.4840, 8.9129, 1.0624
YIQ	77.6670, 66.6650, -2.2230

Conversions

Conversions Part 2

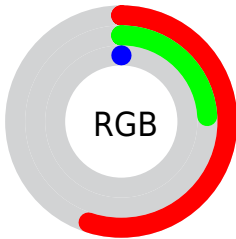
Format	Color
R_{YB}	140, 108, 0
Decimal	9190656
CIE Lab	35.82, 30.82, 46.60
CIE LCh	36, 55.868, 56.525
Yxy	8.9129, 0.5558, 0.3968
Android (android.graphics.Color)	4287380736 (0xFF8C3D00)
YUV	77.6670, -38.2898, 54.6660
Hunter-Lab	29.8545, 22.3965, 18.7882

Details

The XYZ color **12.4840, 8.9129, 1.0624** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **7.5295, 7.4852, 25.8588**, and the grayscale version is **7.2401, 7.6171, 8.2950**.

A 20% lighter version of the original color is **30.0152, 23.6792, 6.2374**, and **3.6111, 2.0568, 0.2067** is the 20% darker color. If you saturate the color by 10%, you get **12.4841, 8.9132, 1.0624**, and if you desaturate by 10%, it is **13.0167, 9.8516, 1.6311**.

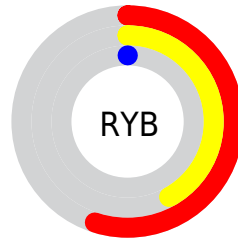
Distribution



Red (55%)

Green (24%)

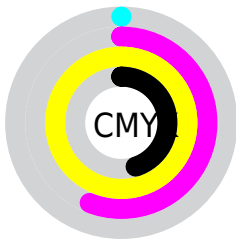
Blue (0%)



Red (55%)

Yellow (42%)

Blue (0%)

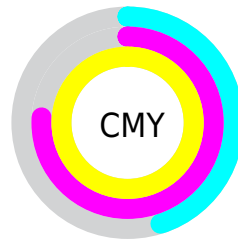


Cyan (0%)

Magenta (56%)

Yellow (100%)

Black (45%)



Cyan (45%)


Magenta (76%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4840, 8.9129, 1.0624 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 12.4840, 8.9129, 1.0624 by changing the saturation by 10% instead.


 12.4840, 8.9129,
1.0624


 12.4840, 8.9129,
1.0624


 201.2888,
182.7268, 105.5044


 7.1487, 4.6844,
0.0000


 29.9829, 23.7296,
6.2670


 3.6025, 2.0633,
0.0000

 42.8772, 35.0866,
11.4718


 1.4798, 0.6439,
0.0000

 59.0219, 49.5886,
18.9697

 0.3120, 0.0000,
0.0000


 78.7824, 67.6199,
29.1793


 0.0000, 0.0000,
0.0000


 102.5239, 89.5650,
42.5190


 130.6120,


115.8083, 59.4074


 163.4118,
146.7341, 80.2630


 12.4840, 8.9129,
1.0624

 12.4840, 8.9129,
1.0624


 12.4841, 8.9132,
1.0624

 13.0167, 9.8516,
1.6311

 13.6650, 10.9396,
2.4901

 14.4584, 12.1930,
3.7822

 15.4087, 13.6202,
5.5586

 16.5263, 15.2288,
7.8632

■ 17.8207, 17.0258,
10.7351

■ 19.3002, 19.0179,
14.2095

■ 20.9730, 21.2114,
18.3188

■ 22.8463, 23.6120,
23.0930

Harmonies

Analogous

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



15.5275, 8.9129, 3.6332



12.4840, 8.9129, 1.0624



8.8627, 8.9129, 0.4185

Triad

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



12.4840, 8.9129, 1.0624



3.5784, 8.9129, 8.6423



11.6394, 8.9129, 36.8097

Complementary

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



12.4840, 8.9129, 1.0624



7.5295, 7.4852, 25.8588

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.



8.0919, 8.9129, 41.5817



12.4840, 8.9129, 1.0624



3.9615, 8.9129, 20.3174

Square

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



12.4840, 8.9129, 1.0624



4.1982, 8.9129, 2.7279



5.4265, 8.9129, 34.1901



14.9575, 8.9129, 23.6092

Rectangle

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



12.4840, 8.9129, 1.0624



6.7889, 8.9129, 0.5727



5.4265, 8.9129, 34.1901



10.4113, 8.9129, 39.7150

Sweetspot

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



12.4842, 8.9134, 1.0625



33.8519, 33.2964, 24.6309



12.2387, 6.1449, 8.0022



7.5692, 7.3633, 5.1264



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.



12.4842, 8.9134, 1.0625



21.8558, 15.4059, 1.8217



18.8868, 21.7187, 3.1968



5.2004, 5.3837, 5.3175



11.1117, 7.9579, 0.9504



0.0880, 0.0812, 0.0110

Inverse Universe

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



7.5295, 7.4852, 25.8588



13.1128, 12.8725, 45.5365



4.8350, 2.0961, 24.9607



4.9934, 5.3297, 6.3714



6.7100, 6.6904, 22.9834



0.0592, 0.0736, 0.1575

Previews

White Background



This preview shows how the XYZ color 12.4840, 8.9129, 1.0624 looks on a white background.

Color Contrast Check

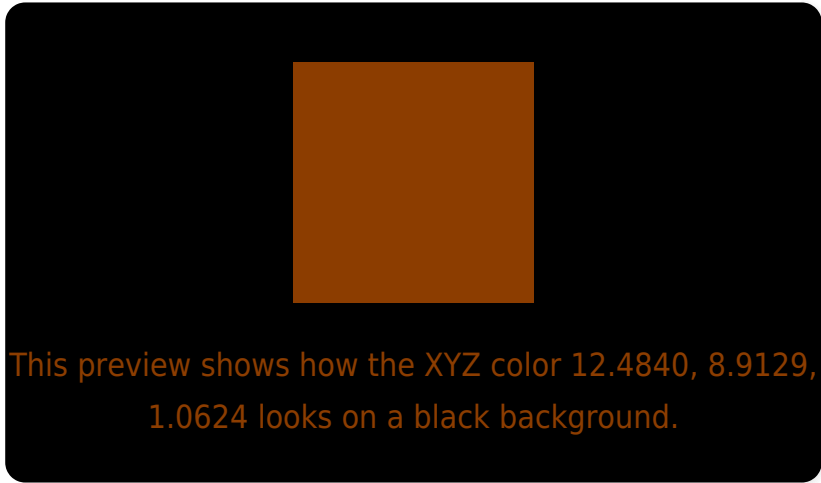
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4840, 8.9129, 1.0624

Background



This preview shows how black text looks on a background with the XYZ color 12.4840, 8.9129, 1.0624.



This preview shows how white text looks on a background with the XYZ color 12.4840, 8.9129,

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

12.4840, 8.9129, 1.0624

Protanopia

8.1450, 9.0129, 1.6911

Deuteranopia

9.1268, 9.0730, 1.2702



Tritanopia

13.4341, 9.0033, 5.3047

Trichromacy



Original Color

12.4840, 8.9129, 1.0624

Protanomaly

9.3104, 8.6312, 1.4050

Deuteranomaly

10.1945, 8.8906, 1.1788

Tritanomaly

12.8474, 8.8288, 2.8607

Monochromacy



Original Color

12.4840, 8.9129, 1.0624

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

8.2599, 7.6317, 4.0553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4840, 8.9129, 1.0624 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(140, 61, 0)` looks like.

```
.text, #text, p{  
    color:rgb(140, 61, 0)  
}
```

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(140, 61, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 61, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.4840, 8.9129, 1.0624 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(140, 61, 0) }
```


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

```
.border{ border-color:rgb(140, 61, 0) }
```

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

Here you see how a box with a 4 pixel rgb(140, 61, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 61, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 61, 0);  
box-shadow:4px 4px 4px 4px rgb(140, 61, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.4840, 8.9129, 1.0624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 61, 0) }
```

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

```
.background{ background-color: rgb(140, 61,  
0) }
```

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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