

Converting Colors

XYZ(12.4294, 10.0102, 2.1089)

Have a look what the booklet for
XYZ(12.4294, 10.0102, 2.1089)
contains.

XYZ(12.4349, 10.0278, 2.0908)	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(12.4349, 10.0278,
2.0908)**

Conversions

Conversions Part 1

Format	Color
Hex	864A17
RGB	134, 74, 23
RGB Percent	53%, 29%, 9%
CMY	0.4745, 0.7098, 0.9098
CMYK	0.00, 0.45, 0.83, 0.47
HSL	28°, 71%, 31%
HSV	28°, 83%, 53%
XYZ	12.4349, 10.0278, 2.0908
YIQ	86.1260, 52.1310, -3.1410

Conversions

Conversions Part 2

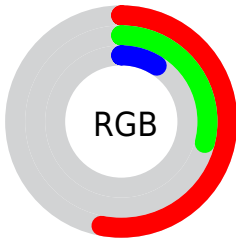
Format	Color
RYB	134, 117, 23
Decimal	8800791
CIELab	37.89, 21.53, 39.36
CIElCh	38, 44.866, 61.319
Yxy	10.0278, 0.5064, 0.4084
Android (android.graphics.Color)	4286990871 (0xFF864A17)
YUV	86.1260, -31.1211, 41.9855
Hunter-Lab	31.6667, 14.6768, 18.2521

Details

The XYZ color **12.4349, 10.0278, 2.0908** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **7.7493, 8.0893, 23.7068**, and the grayscale version is **8.9289, 9.3938, 10.2299**.

A 20% lighter version of the original color is **29.9267, 25.8146, 9.1998**, and **3.6638, 2.5410, 0.2974** is the 20% darker color. If you saturate the color by 10%, you get **11.8770, 9.0754, 1.4015**, and if you desaturate by 10%, it is **13.1168, 11.1198, 3.1564**.

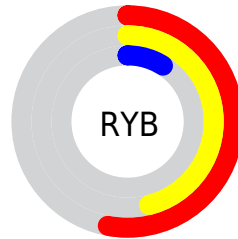
Distribution



Red (53%)

Green (29%)

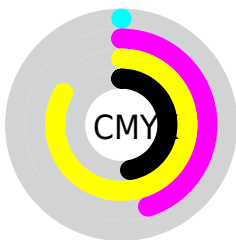
Blue (9%)



Red (53%)

Yellow (46%)

Blue (9%)

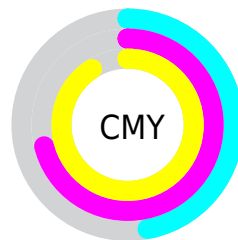


Cyan (0%)

Magenta (45%)

Yellow (83%)

Black (47%)



Cyan (47%)

Magenta (71%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4349, 10.0278, 2.0908 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 12.4349, 10.0278, 2.0908 by changing the saturation by 10% instead.

■ 12.4349, 10.0278,
2.0908

■ 12.4349, 10.0278,
2.0908

200.9752,
190.8704, 123.7712

■ 7.1149, 5.4174,
0.6103

■ 29.8948, 25.8478,
9.2876

■ 3.5810, 2.4942,
0.0000

■ 42.7654, 37.8261,
15.8825

■ 1.4680, 0.8737,
0.0000

■ 58.8835, 53.0293,
25.0331

■ 0.3039, 0.0000,
0.0000

■ 78.6146, 71.8416,
37.1580


■ 0.0000, 0.0000,
0.0000


■ 102.3239, 94.6474,
52.6757

■ 130.3769,


121.8313, 72.0048


 163.1389,
153.7774, 95.5638


 12.4349, 10.0278,
2.0908


 12.4349, 10.0278,
2.0908


 11.8770, 9.0754,
1.4015


 13.1168, 11.1198,
3.1564

 11.5308, 8.4672,
1.0266

 13.9329, 12.3570,
4.6461

 14.8927, 13.7465,
6.6006

 16.0047, 15.2941,
9.0562

 17.2764, 17.0055,
12.0450

■ 18.7149, 18.8859,
15.5968

■ 20.3267, 20.9402,
19.7390

■ 22.1181, 23.1733,
24.4971

■ 24.0949, 25.5897,
29.8953

Harmonies

Analogous

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



15.0703, 10.0278, 4.5881



12.4349, 10.0278, 2.0908



9.4046, 10.0278, 1.5112

Triad

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



12.4349, 10.0278, 2.0908



5.0075, 10.0278, 11.2866



12.6996, 10.0278, 30.7702

Complementary

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



12.4349, 10.0278, 2.0908



7.7493, 8.0893, 23.7068

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.



9.6588, 10.0278, 35.5918



12.4349, 10.0278, 2.0908



5.5489, 10.0278, 21.3759

Square

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



12.4349, 10.0278, 2.0908



5.4607, 10.0278, 4.9510



7.1187, 10.0278, 31.5021



15.2434, 10.0278, 20.4044

Rectangle

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



12.4349, 10.0278, 2.0908



7.6610, 10.0278, 1.8184



7.1187, 10.0278, 31.5021



11.6832, 10.0278, 33.2739

Sweetspot

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



12.4351, 10.0283, 2.0910



32.2562, 32.3458, 25.6800



11.7400, 6.3220, 8.9993



7.0956, 7.0635, 5.3606



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.4351, 10.0283, 2.0910



20.2455, 14.7614, 1.8320



17.7639, 20.6859, 3.8672



4.8358, 5.0152, 4.9425



10.8168, 7.9562, 0.9656



0.0446, 0.0419, 0.0057

Inverse Universe

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



7.7493, 8.0893, 23.7068



11.6524, 11.1420, 41.2749



5.0849, 2.7603, 22.8186



4.6274, 4.9305, 5.9085



6.2411, 6.0300, 21.9717



0.0289, 0.0355, 0.0786

Previews

White Background



This preview shows how the XYZ color 12.4349, 10.0278, 2.0908 looks on a white background.

Color Contrast Check

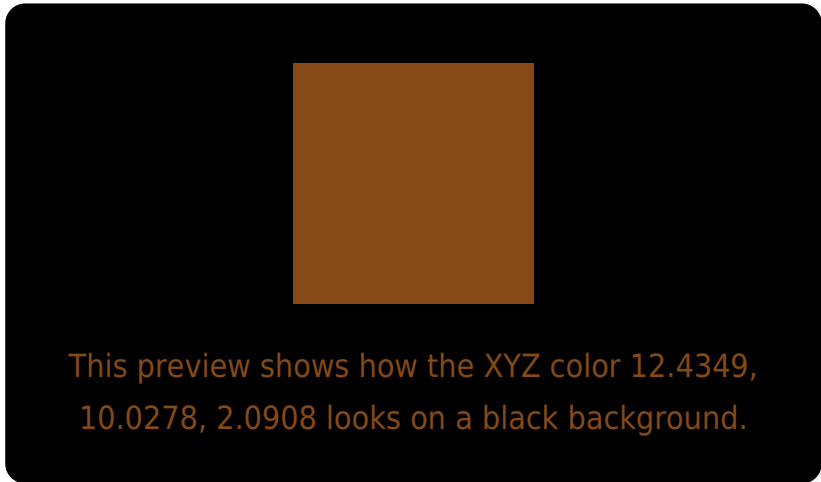
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4349, 10.0278, 2.0908

Background



This preview shows how black text looks on a background with the XYZ color 12.4349, 10.0278, 2.0908.



This preview shows how white text looks on a background with the XYZ color 12.4349, 10.0278,

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

12.4349, 10.0278, 2.0908

Protanopia

9.2208, 10.1582, 2.5116

Deuteranopia

10.1677, 10.0514, 1.9765



Tritanopia

13.5175, 9.9849, 7.6934

Trichromacy



Original Color

12.4349, 10.0278, 2.0908

Protanomaly

10.1668, 9.9259, 2.3573

Deuteranomaly

10.9539, 10.0003, 2.0147

Tritanomaly

12.9345, 9.9332, 4.8500

Monochromacy



Original Color

12.4349, 10.0278, 2.0908

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.5080, 9.2770, 5.9921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4349, 10.0278, 2.0908 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(134, 74, 23)` looks like.

```
.text, #text, p{  
    color:rgb(134, 74, 23)  
}
```

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(134, 74, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 74, 23) }
```

Border

The CSS property to change the border of an element to XYZ 12.4349, 10.0278, 2.0908 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(134, 74, 23) }
```


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

```
.border{ border-color:rgb(134, 74, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 74, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 74, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 74, 23);  
box-shadow:4px 4px 4px 4px rgb(134, 74,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4349, 10.0278, 2.0908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 74, 23) }
```

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

```
.background{ background-color: rgb(134, 74,  
23) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor