

Converting Colors

XYZ(13.3160, 9.9175, 2.3304)

Have a look what the booklet for
XYZ(13.3160, 9.9175, 2.3304)
contains.

XYZ(13.2612, 9.8808, 2.3069)	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(13.2612, 9.8808,
2.3069)**

Conversions

Conversions Part 1

Format	Color
Hex	8D441C
RGB	141, 68, 28
RGB Percent	55%, 27%, 11%
CMY	0.4471, 0.7333, 0.8902
CMYK	0.00, 0.52, 0.80, 0.45
HSL	21°, 67%, 33%
HSV	21°, 80%, 55%
XYZ	13.2612, 9.8808, 2.3069
YIQ	85.2670, 56.3480, 3.0360

Conversions

Conversions Part 2

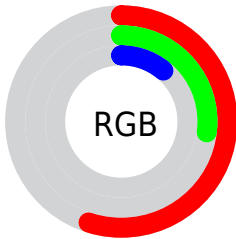
Format	Color
R_{YB}	141, 90, 28
Decimal	9258012
CIE Lab	37.63, 28.18, 37.12
CIE LCh	38, 46.602, 52.800
Yxy	9.8808, 0.5211, 0.3883
Android (android.graphics.Color)	4287448092 (0xFF8D441C)
YUV	85.2670, -28.2326, 48.8778
Hunter-Lab	31.4337, 20.2962, 17.6524

Details

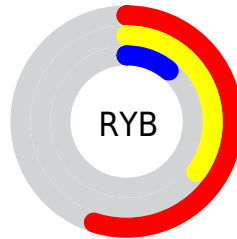
The XYZ color **13.2612, 9.8808, 2.3069** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **9.9399, 11.4766, 26.8903**, and the grayscale version is **8.7401, 9.1953, 10.0137**.

A 20% lighter version of the original color is **31.3016, 25.6070, 9.9495**, and **4.0145, 2.4676, 0.2647** is the 20% darker color. If you saturate the color by 10%, you get **12.6216, 8.8114, 1.4475**, and if you desaturate by 10%, it is **14.0659, 11.1542, 3.6117**.

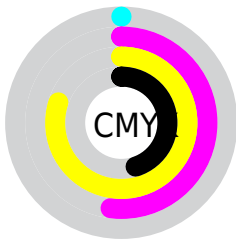
Distribution



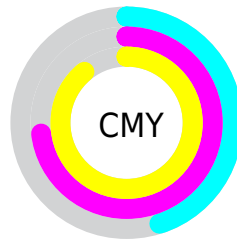
- Red (55%)
- Green (27%)
- Blue (11%)



- Red (55%)
- Yellow (35%)
- Blue (11%)



- Cyan (0%)
- Magenta (52%)
- Yellow (80%)
- Black (45%)



- Cyan (45%)
- Magenta (73%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2612, 9.8808, 2.3069 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 13.2612, 9.8808, 2.3069 by changing the saturation by 10% instead.

13.2612, 9.8808,
2.3069

13.2612, 9.8808,
2.3069

206.1889,
189.8192, 126.9738

7.6869, 5.3200,
0.7351

31.3696, 25.5711,
9.8640

3.9454, 2.4362,
0.0000

44.6344, 37.4693,
16.7041

1.6713, 0.8444,
0.0000

61.1934, 52.5821,
26.1433

0.4382, 0.0000,
0.0000

81.4119, 71.2940,
38.6000


0.0000, 0.0000,
0.0000

105.6554, 93.9892,
54.4929


134.2892,


121.0522, 74.2404


 167.6785,
152.8674, 98.2612


 13.2612, 9.8808,
2.3069


 13.2612, 9.8808,
2.3069


 12.6216, 8.8114,
1.4475

 14.0659, 11.1542,
3.6117

 12.1214, 7.9367,
0.8931

 15.0486, 12.6412,
5.4142

 16.2214, 14.3526,
7.7598

 17.5949, 16.2981,
10.6887

 19.1790, 18.4866,
14.2373

■ 20.9828, 20.9264,
18.4387

■ 23.0149, 23.6256,
23.3240

■ 25.2833, 26.5917,
28.9221

■ 27.7956, 29.8321,
35.2601

Harmonies

Analogous

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



15.6611, 9.8808, 5.6058



13.2612, 9.8808, 2.3069



10.1215, 9.8808, 1.3445

Triad

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



13.2612, 9.8808, 2.3069



4.8081, 9.8808, 8.8457



11.7689, 9.8808, 33.8017

Complementary

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



13.2612, 9.8808, 2.3069



9.9399, 11.4766, 26.8903

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.



8.6973, 9.8808, 36.3129



13.2612, 9.8808, 2.3069



5.0680, 9.8808, 18.3737

Square

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



13.2612, 9.8808, 2.3069



5.5547, 9.8808, 3.6159



6.3588, 9.8808, 29.6139



14.6812, 9.8808, 23.8953

Rectangle

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



13.2612, 9.8808, 2.3069



8.1884, 9.8808, 1.4147



6.3588, 9.8808, 29.6139



10.7068, 9.8808, 35.6955

Sweetspot

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



13.2614, 9.8813, 2.3071



36.1148, 35.5086, 29.5823



13.7708, 7.4417, 13.1385



7.8422, 7.6272, 6.0870



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.



13.2614, 9.8813, 2.3071



21.8857, 14.5051, 1.8572



18.4079, 20.1743, 4.0226



5.5554, 5.7170, 5.7001



11.0665, 7.2646, 0.8189



0.1252, 0.1082, 0.0143

Inverse Universe

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



9.9399, 11.4766, 26.8903



15.5638, 17.2154, 47.6305



6.2231, 4.0431, 25.6514



5.4018, 5.7994, 6.8634



7.8167, 8.6193, 24.2288



0.0956, 0.1240, 0.2386

Previews

White Background



This preview shows how the XYZ color 13.2612, 9.8808, 2.3069 looks on a white background.

Color Contrast Check

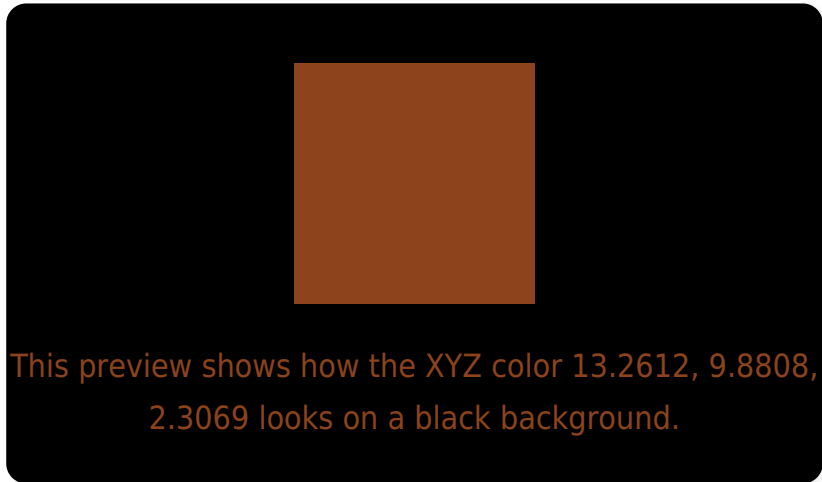
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2612, 9.8808, 2.3069

Background



This preview shows how black text looks on a background with the XYZ color 13.2612, 9.8808, 2.3069.



This preview shows how white text looks on a background with the XYZ color 13.2612, 9.8808,

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

13.2612, 9.8808, 2.3069

Protanopia

9.1166, 9.9696, 2.9572

Deuteranopia

10.0754, 9.9997, 2.1582



Tritanopia

14.2045, 9.9238, 6.6357

Trichromacy



Original Color

13.2612, 9.8808, 2.3069

Protanomaly

10.2734, 9.6340, 2.6846

Deuteranomaly

11.1292, 9.8689, 2.1825

Tritanomaly

13.6882, 9.7884, 4.5361

Monochromacy



Original Color

13.2612, 9.8808, 2.3069

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

9.5471, 8.9654, 6.0778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2612, 9.8808, 2.3069 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(141, 68, 28)` looks like.

```
.text, #text, p{  
  color:rgb(141, 68, 28)  
}
```

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(141, 68, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 68, 28) }
```

Border

The CSS property to change the border of an element to XYZ 13.2612, 9.8808, 2.3069 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(141, 68, 28) }
```


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

```
.border{ border-color:rgb(141, 68, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 68, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 68, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 68, 28);  
box-shadow:4px 4px 4px 4px rgb(141, 68,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2612, 9.8808, 2.3069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 68, 28) }
```

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

```
.background{ background-color: rgb(141, 68,  
28) }
```

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