

Converting Colors

XYZ(12.8487, 9.5379, 1.3100)

Have a look what the booklet for
XYZ(12.8487, 9.5379, 1.3100)
contains.

XYZ(12.7908, 9.4828, 1.2998)	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(12.7908, 9.4828,
1.2998)**

Conversions

Conversions Part 1

Format	Color
Hex	8C4205
RGB	140, 66, 5
RGB Percent	55%, 26%, 2%
CMY	0.4510, 0.7412, 0.9804
CMYK	0.00, 0.53, 0.96, 0.45
HSL	27°, 93%, 28%
HSV	27°, 96%, 55%
XYZ	12.7908, 9.4828, 1.2998
YIQ	81.1720, 63.6850, -3.2830

Conversions

Conversions Part 2

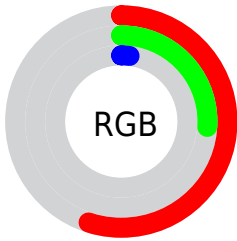
Format	Color
R_{YB}	140, 116, 5
Decimal	9191941
CIE Lab	36.90, 28.22, 45.49
CIE LCh	37, 53.535, 58.190
Yxy	9.4828, 0.5426, 0.4023
Android (android.graphics.Color)	4287382021 (0xFF8C4205)
YUV	81.1720, -37.5528, 51.5922
Hunter-Lab	30.7942, 20.2528, 19.0533

Details

The XYZ color **12.7908, 9.4828, 1.2998** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **7.5920, 7.5173, 25.8616**, and the grayscale version is **7.9187, 8.3311, 9.0725**.

A 20% lighter version of the original color is **30.4224, 24.6990, 7.0348**, and **3.8002, 2.3047, 0.2446** is the 20% darker color. If you saturate the color by 10%, you get **12.6072, 9.1596, 1.1035**, and if you desaturate by 10%, it is **13.3600, 10.4771, 1.9343**.

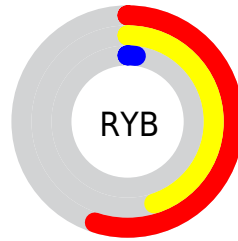
Distribution



Red (55%)

Green (26%)

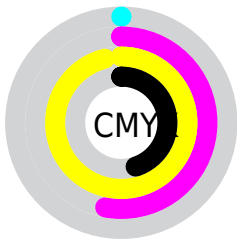
Blue (2%)



Red (55%)

Yellow (45%)

Blue (2%)

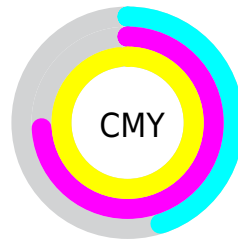


Cyan (0%)

Magenta (53%)

Yellow (96%)

Black (45%)



Cyan (45%)


Magenta (74%)

Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.7908, 9.4828, 1.2998 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 12.7908, 9.4828, 1.2998 by changing the saturation by 10% instead.


 12.7908, 9.4828,
1.2998


 12.7908, 9.4828,
1.2998


 203.2374,
186.9398, 110.3290


 7.3607, 5.0574,
0.0616


 30.5320, 24.8180,
7.0188


 3.7370, 2.2810,
0.0000

 43.5737, 36.4967,
12.5890


 1.5544, 0.7636,
0.0000

 59.8833, 51.3619,
20.5244

 0.3624, 0.0000,
0.0000


 79.8262, 69.7980,
31.2437

 0.0000, 0.0000,
0.0000

 103.7677, 92.1895,
45.1652


 132.0731,


118.9207, 62.7076


 165.1079,
150.3760, 84.2893


 12.7908, 9.4828,
1.2998


 12.7908, 9.4828,
1.2998


 12.6072, 9.1596,
1.1035

 13.3600, 10.4771,
1.9343

 14.0583, 11.6225,
2.9414

 14.9028, 12.9297,
4.3998

 15.9045, 14.4063,
6.3577

 17.0731, 16.0593,
8.8569

■ 18.4177, 17.8954,
11.9351

■ 19.9463, 19.9205,
15.6263

■ 21.6665, 22.1406,
19.9619

■ 23.5854, 24.5610,
24.9712

Harmonies

Analogous

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



15.8466, 9.4828, 3.8975



12.7908, 9.4828, 1.2998



9.2152, 9.4828, 0.7067

Triad

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



12.7908, 9.4828, 1.2998



4.0403, 9.4828, 9.7614



12.3571, 9.4828, 36.0715

Complementary

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



12.7908, 9.4828, 1.2998



7.5920, 7.5173, 25.8616

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.



8.8141, 9.4828, 41.2454



12.7908, 9.4828, 1.2998



4.4956, 9.4828, 21.5161

Square

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



12.7908, 9.4828, 1.2998



4.6229, 9.4828, 3.4007



6.0638, 9.4828, 34.7653



15.5563, 9.4828, 23.1802

Rectangle

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



12.7908, 9.4828, 1.2998



7.1730, 9.4828, 0.8919



6.0638, 9.4828, 34.7653



11.1438, 9.4828, 39.0219

Sweetspot

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



12.7910, 9.4833, 1.3000



34.2724, 33.9473, 25.3570



12.2899, 6.2522, 8.0041



7.6620, 7.5106, 5.2752



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.



12.7910, 9.4833, 1.3000



22.0709, 15.8361, 1.8934



19.2643, 22.4298, 3.4577



5.2068, 5.3965, 5.3196



11.2214, 8.1773, 0.9869



0.0889, 0.0829, 0.0113

Inverse Universe

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



7.5920, 7.5173, 25.8616



12.8300, 12.3070, 45.4422



4.9247, 2.1827, 24.9725



4.9869, 5.3168, 6.3692



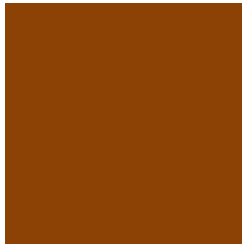
6.5677, 6.4057, 22.9360



0.0583, 0.0719, 0.1573

Previews

White Background



This preview shows how the XYZ color 12.7908, 9.4828, 1.2998 looks on a white background.

Color Contrast Check

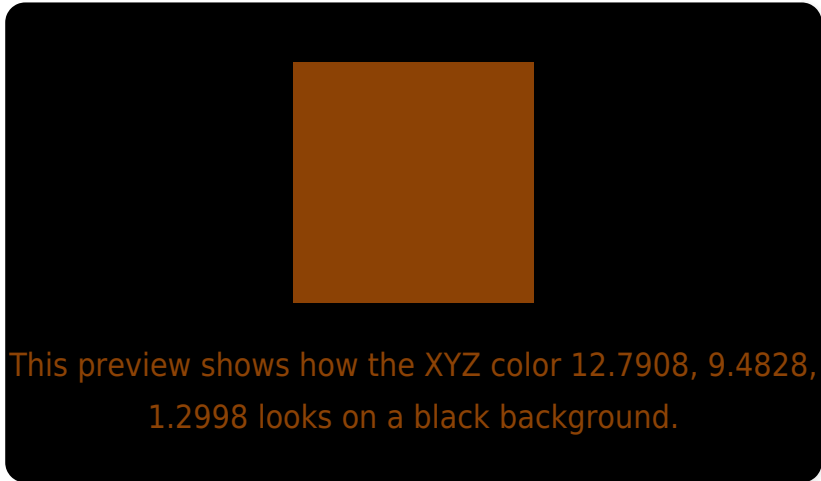
Large Text (above 18pt) WCAG AA ✓ Pass

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

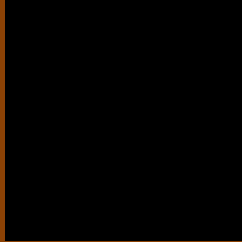
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7908, 9.4828, 1.2998

Background



This preview shows how black text looks on a background with the XYZ color 12.7908, 9.4828, 1.2998.



This preview shows how white text looks on a background with the XYZ color 12.7908, 9.4828,

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

12.7908, 9.4828, 1.2998

Protanopia

8.7146, 9.6638, 1.8215

Deuteranopia

9.6488, 9.5660, 1.3379



Tritanopia

13.8074, 9.4816, 6.2567

Trichromacy



Original Color

12.7908, 9.4828, 1.2998

Protanomaly

9.8685, 9.3389, 1.5991

Deuteranomaly

10.6909, 9.4497, 1.3179

Tritanomaly

13.2166, 9.3996, 3.5006

Monochromacy



Original Color

12.7908, 9.4828, 1.2998

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

8.7065, 8.2507, 4.5018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7908, 9.4828, 1.2998 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, 66, 5)` looks like.

```
.text, #text, p{  
    color:rgb(140, 66, 5)  
}
```

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, 66, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 66, 5) }
```

Border

The CSS property to change the border of an element to XYZ 12.7908, 9.4828, 1.2998 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, 66, 5) }
```


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

```
.border{ border-color:rgb(140, 66, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 66, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 66, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 66, 5);  
box-shadow:4px 4px 4px 4px rgb(140, 66, 5)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.7908, 9.4828, 1.2998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 66, 5) }
```

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

```
.background{ background-color: rgb(140, 66,  
5) }
```

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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