

Converting Colors

XYZ(12.2571, 11.7682, 2.1391)

Have a look what the booklet for
XYZ(12.2571, 11.7682, 2.1391)
contains.

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Color

**XYZ(12.2148, 11.7128,
2.1473)**

Conversions

Conversions Part 1

Format	Color
Hex	7D5A11
RGB	125, 90, 17
RGB Percent	49%, 35%, 7%
CMY	0.5098, 0.6470, 0.9333
CMYK	0.00, 0.28, 0.86, 0.51
HSL	41°, 76%, 28%
HSV	41°, 86%, 49%
XYZ	12.2148, 11.7128, 2.1473
YIQ	92.1430, 44.2930, -15.2830

Conversions

Conversions Part 2

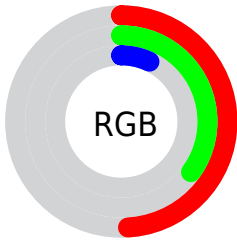
Format	Color
R_{YB}	69, 125, 17
Decimal	8215057
CIE Lab	40.76, 7.68, 43.82
CIE LCh	41, 44.489, 80.056
Yxy	11.7128, 0.4685, 0.4492
Android (android.graphics.Color)	4286405137 (0xFF7D5A11)
YUV	92.1430, -37.0455, 28.8156
Hunter-Lab	34.2240, 3.8161, 20.2368

Details

The XYZ color **12.2148, 11.7128, 2.1473** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **5.1608, 4.0557, 19.9127**, and the grayscale version is **10.2817, 10.8171, 11.7798**.

A 20% lighter version of the original color is **29.4775, 28.9973, 9.5122**, and **3.6109, 3.2545, 0.4379** is the 20% darker color. If you saturate the color by 10%, you get **11.8061, 11.0179, 1.6337**, and if you desaturate by 10%, it is **12.6930, 12.4662, 2.9325**.

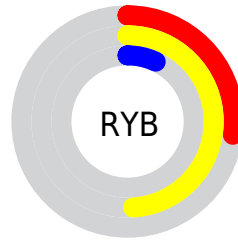
Distribution



Red (49%)

Green (35%)

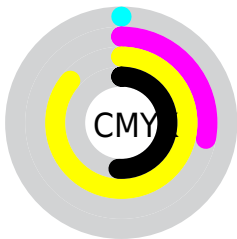
Blue (7%)



Red (27%)

Yellow (49%)

Blue (7%)

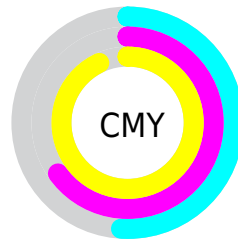


Cyan (0%)

Magenta (28%)

Yellow (86%)

Black (51%)



Cyan (51%)

Magenta (65%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2148, 11.7128, 2.1473 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 12.2148, 11.7128, 2.1473 by changing the saturation by 10% instead.

■ 12.2148, 11.7128,
2.1473

■ 12.2148, 11.7128,
2.1473

199.5632,
202.4946, 124.6237

■ 6.9634, 6.5484,
0.6437

■ 29.4992, 28.9709,
9.4397

■ 3.4853, 3.1813,
0.0000

■ 42.2629, 41.8335,
16.0999

■ 1.4153, 1.2271,
0.0000

■ 58.2614, 58.0309,
25.3273

■ 0.2671, 0.0837,
0.0000


■ 77.8600, 77.9476,
37.5407


■ 0.0000, 0.0000,
0.0000


■ 101.4241,
101.9679, 53.1585


■ 129.3191,


130.4762, 72.5992


 161.9104,
163.8570, 96.2814


 12.2148, 11.7128,
2.1473


 12.2148, 11.7128,
2.1473


 11.8061, 11.0179,
1.6337


 12.6930, 12.4662,
2.9325

 11.6662, 10.7776,
1.4654

 13.2528, 13.2821,
4.0559

 13.9018, 14.1643,
5.5535

 14.6459, 15.1158,
7.4563

 15.4907, 16.1391,
9.7921

■ 16.4413, 17.2367,
12.5862

■ 17.5023, 18.4109,
15.8620

■ 18.6781, 19.6638,
19.6414

■ 19.9729, 20.9976,
23.9446

Harmonies

Analogous

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



15.5052, 11.7128, 3.5257



12.2148, 11.7128, 2.1473



9.1770, 11.7128, 2.3984

Triad

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



12.2148, 11.7128, 2.1473



6.3465, 11.7128, 19.6967



16.4685, 11.7128, 27.4982

Complementary

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



12.2148, 11.7128, 2.1473



5.1608, 4.0557, 19.9127

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.



13.3481, 11.7128, 37.0642



12.2148, 11.7128, 2.1473



7.6707, 11.7128, 31.2772

Square

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



12.2148, 11.7128, 2.1473



6.1579, 11.7128, 9.9791



10.1164, 11.7128, 38.7038



18.2506, 11.7128, 15.9991

Rectangle

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



12.2148, 11.7128, 2.1473



7.6637, 11.7128, 3.5350



10.1164, 11.7128, 38.7038



15.5165, 11.7128, 31.2377

Sweetspot

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



12.2151, 11.7134, 2.1475



29.4010, 30.8201, 22.4139



9.3005, 5.0180, 3.8467



6.5754, 6.8827, 4.7624



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.2151, 11.7134, 2.1475



20.7553, 19.0278, 2.5788



13.4982, 17.8334, 3.2612



4.5515, 4.7918, 4.6051



12.1696, 11.2356, 1.5273



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.1608, 4.0557, 19.9127



7.8966, 5.1872, 35.3294



4.5953, 2.2390, 19.5919



4.2138, 4.4217, 5.4446



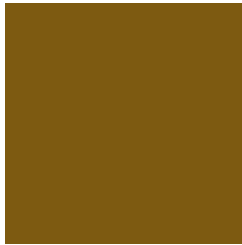
4.6673, 3.1532, 20.6126



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.2148, 11.7128, 2.1473 looks on a white background.

Color Contrast Check

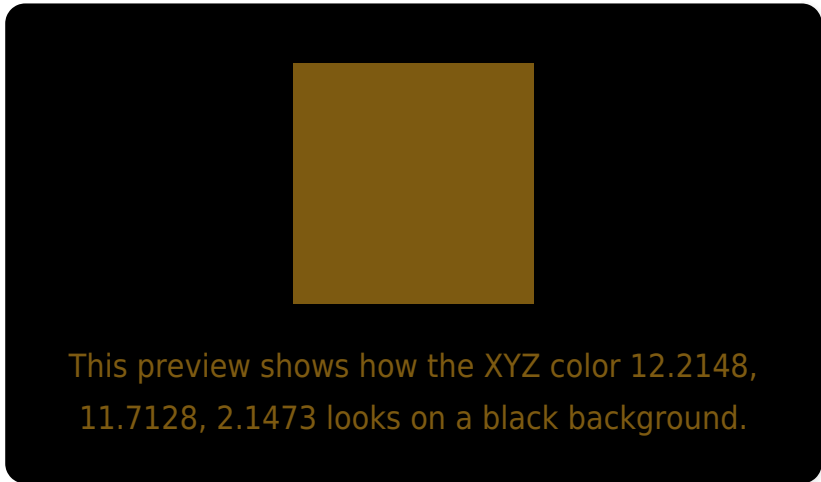
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2148, 11.7128, 2.1473

Background



This preview shows how black text looks on a background with the XYZ color 12.2148, 11.7128, 2.1473.



This preview shows how white text looks on a background with the XYZ color 12.2148, 11.7128,

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

12.2148, 11.7128, 2.1473

Protanopia

10.6989, 11.8476, 2.3390

Deuteranopia

11.8607, 11.6572, 2.1151



Tritanopia

14.0690, 11.7460, 11.1985

Trichromacy



Original Color

12.2148, 11.7128, 2.1473

Protanomaly

11.1821, 11.6939, 2.2401

Deuteranomaly

12.0030, 11.7305, 2.1218

Tritanomaly

13.1271, 11.6037, 6.2505

Monochromacy



Original Color

12.2148, 11.7128, 2.1473

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.4041, 10.8069, 6.5386

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2148, 11.7128, 2.1473 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(125, 90, 17)` looks like.

```
.text, #text, p{  
    color:rgb(125, 90, 17)  
}
```

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(125, 90, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 90, 17) }
```

Border

The CSS property to change the border of an element to XYZ 12.2148, 11.7128, 2.1473 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(125, 90, 17) }
```


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

```
.border{ border-color:rgb(125, 90, 17) }
```

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

Here you see how a box with a 4 pixel rgb(125, 90, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 90, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 90, 17);  
box-shadow:4px 4px 4px 4px rgb(125, 90,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2148, 11.7128, 2.1473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 90, 17) }
```

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

```
.background{ background-color: rgb(125, 90,  
17) }
```

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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