

Converting Colors

XYZ(15.1398, 12.2477, 2.4428)

Have a look what the booklet for
XYZ(15.1398, 12.2477, 2.4428)
contains.

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Color

**XYZ(15.2148, 12.3036,
2.4371)**

Conversions

Conversions Part 1

Format	Color
Hex	935218
RGB	147, 82, 24
RGB Percent	58%, 32%, 9%
CMY	0.4235, 0.6784, 0.9059
CMYK	0.00, 0.44, 0.84, 0.42
HSL	28°, 72%, 34%
HSV	28°, 84%, 58%
XYZ	15.2148, 12.3036, 2.4371
YIQ	94.8230, 57.3580, -4.2580

Conversions

Conversions Part 2

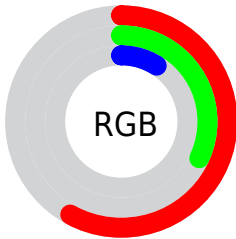
Format	Color
RYB	147, 134, 24
Decimal	9654808
CIELab	41.69, 22.80, 43.11
CIELCh	42, 48.768, 62.125
Yxy	12.3036, 0.5079, 0.4107
Android (android.graphics.Color)	4287844888 (0xFF935218)
YUV	94.8230, -34.9157, 45.7592
Hunter-Lab	35.0765, 16.0424, 20.4341

Details

The XYZ color **15.2148, 12.3036, 2.4371** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.2153, 9.4451, 28.9409**, and the grayscale version is **10.9065, 11.4745, 12.4958**.

A 20% lighter version of the original color is **34.9075, 30.1054, 10.2744**, and **4.9453, 3.4859, 0.4122** is the 20% darker color. If you saturate the color by 10%, you get **14.5481, 11.1526, 1.6530**, and if you desaturate by 10%, it is **16.0308, 13.6215, 3.6780**.

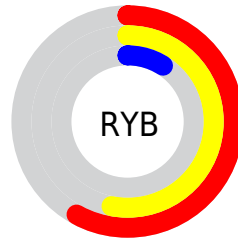
Distribution



Red (58%)

Green (32%)

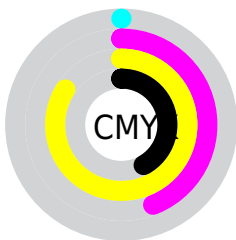
Blue (9%)



Red (58%)

Yellow (53%)

Blue (9%)

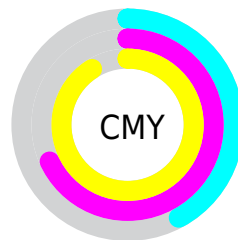


Cyan (0%)

Magenta (44%)

Yellow (84%)

Black (42%)



Cyan (42%)


Magenta (68%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.2148, 12.3036, 2.4371 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 15.2148, 12.3036, 2.4371 by changing the saturation by 10% instead.


 15.2148, 12.3036,
2.4371


 15.2148, 12.3036,
2.4371


218.0254,
206.4050, 128.8323


 9.0576, 6.9508,
0.8065


 34.7981, 30.0469,
10.2046


 4.8362, 3.4313,
0.0000

 48.9550, 43.2061,
17.1871


 2.1852, 1.3609,
0.0000

 66.5090, 59.7363,
26.7935

 0.7349, 0.1876,
0.0000

 87.8257, 80.0218,
39.4423


 0.0000, 0.0000,
0.0000


 113.2703,
104.4470, 55.5520


 143.2082,


133.3963, 75.5412


 178.0048,
167.2542, 99.8285


 15.2148, 12.3036,
2.4371


 15.2148, 12.3036,
2.4371


 14.5481, 11.1526,
1.6530


 16.0308, 13.6215,
3.6780

 14.1805, 10.4989,
1.2791

 17.0092, 15.1134,
5.4376

 18.1621, 16.7877,
7.7683

 19.4998, 18.6517,
10.7160

 21.0321, 20.7123,
14.3218

■ 22.7676, 22.9758,
18.6231

■ 24.7146, 25.4482,
23.6546

■ 26.8808, 28.1352,
29.4487

■ 29.2734, 31.0425,
36.0356

Harmonies

Analogous

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



18.5419, 12.3036, 5.4131



15.2148, 12.3036, 2.4371



11.4410, 12.3036, 1.7778

Triad

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



15.2148, 12.3036, 2.4371



6.0784, 12.3036, 14.1405



15.7475, 12.3036, 37.9704

Complementary

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



15.2148, 12.3036, 2.4371



9.2153, 9.4451, 28.9409

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.



11.9512, 12.3036, 44.3084



15.2148, 12.3036, 2.4371



6.7818, 12.3036, 26.8432

Square

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



15.2148, 12.3036, 2.4371



6.6059, 12.3036, 6.1346



8.7635, 12.3036, 39.4525



18.8910, 12.3036, 24.8818

Rectangle

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



15.2148, 12.3036, 2.4371



9.2897, 12.3036, 2.1786



8.7635, 12.3036, 39.4525



14.4814, 12.3036, 41.1937

Sweetspot

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



15.2151, 12.3043, 2.4373



40.1734, 40.3721, 31.8359



14.1877, 7.5878, 10.3008



8.9399, 8.9164, 6.6915



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



15.2151, 12.3043, 2.4373



25.2209, 18.4530, 2.2325



22.0048, 25.8837, 4.7006



6.0128, 6.2394, 6.1279



12.3183, 9.1509, 1.1171



0.1799, 0.1702, 0.0234

Inverse Universe

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



9.2153, 9.4451, 28.9409



14.0912, 13.0919, 51.2189



6.0609, 3.1362, 27.8895



5.7379, 6.1098, 7.3466



6.9328, 6.5605, 24.8319



0.1144, 0.1394, 0.3138

Previews

White Background



This preview shows how the XYZ color 15.2148, 12.3036, 2.4371 looks on a white background.

Color Contrast Check

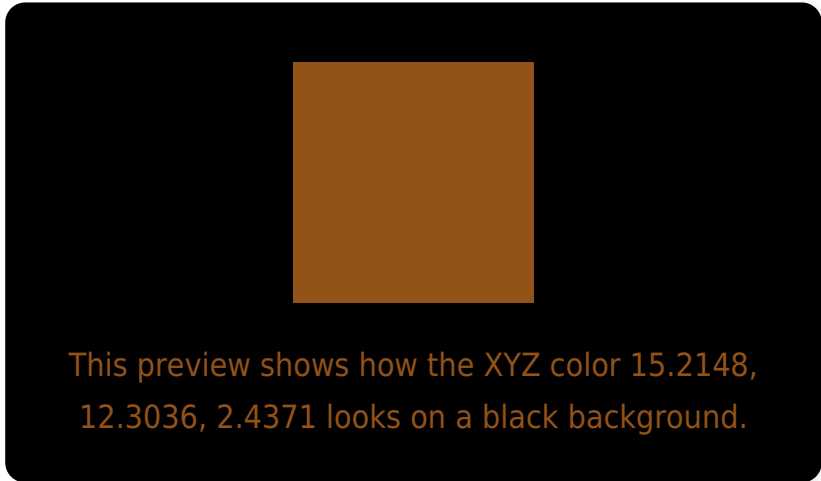
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.2148, 12.3036, 2.4371

Background



This preview shows how black text looks on a background with the XYZ color 15.2148, 12.3036, 2.4371.



This preview shows how white text looks on a background with the XYZ color 15.2148, 12.3036,

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

15.2148, 12.3036, 2.4371

Protanopia

11.2270, 12.3870, 2.8978

Deuteranopia

12.5693, 12.4091, 2.3050



Tritanopia

16.7545, 12.4010, 9.4932

Trichromacy



Original Color

15.2148, 12.3036, 2.4371

Protanomaly

12.4244, 12.1929, 2.7355

Deuteranomaly

13.4553, 12.3494, 2.3363

Tritanomaly

16.0327, 12.3184, 5.9476

Monochromacy



Original Color

15.2148, 12.3036, 2.4371

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.6698, 11.3194, 7.2000

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2148, 12.3036, 2.4371 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(147, 82, 24)` looks like.

```
.text, #text, p{  
    color:rgb(147, 82, 24)  
}
```

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(147, 82, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 82, 24) }
```

Border

The CSS property to change the border of an element to XYZ 15.2148, 12.3036, 2.4371 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(147, 82, 24) }
```


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

```
.border{ border-color:rgb(147, 82, 24) }
```

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

Here you see how a box with a 4 pixel rgb(147, 82, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 82, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 82, 24);  
box-shadow:4px 4px 4px 4px rgb(147, 82,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2148, 12.3036, 2.4371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 82, 24) }
```

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

```
.background{ background-color: rgb(147, 82,  
24) }
```

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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