

Converting Colors

XYZ(13.3669, 12.0177, 2.4501)

Have a look what the booklet for
XYZ(13.3669, 12.0177, 2.4501)
contains.

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Color

**XYZ(13.3172, 12.0279,
2.4303)**

Conversions

Conversions Part 1

Format	Color
Hex	855817
RGB	133, 88, 23
RGB Percent	52%, 35%, 9%
CMY	0.4784, 0.6549, 0.9098
CMYK	0.00, 0.34, 0.83, 0.48
HSL	35°, 71%, 31%
HSV	35°, 83%, 52%
XYZ	13.3172, 12.0279, 2.4303
YIQ	94.0450, 47.6850, -10.6750

Conversions

Conversions Part 2

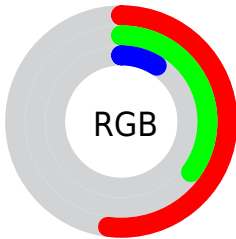
Format	Color
RYB	99, 133, 23
Decimal	8738839
CIELab	41.26, 12.88, 42.41
CIElCh	41, 44.326, 73.106
Yxy	12.0279, 0.4795, 0.4330
Android (android.graphics.Color)	4286928919 (0xFF855817)
YUV	94.0450, -35.0252, 34.1635
Hunter-Lab	34.6813, 7.8497, 20.1221

Details


The XYZ color **13.3172, 12.0279, 2.4303** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **6.6538, 6.0094, 22.9992**, and the grayscale version is **10.7227, 11.2811, 12.2851**.

A 20% lighter version of the original color is **31.4934, 29.5920, 10.1828**, and **4.0883, 3.3900, 0.4389** is the 20% darker color. If you saturate the color by 10%, you get **12.7859, 11.1277, 1.7526**, and if you desaturate by 10%, it is **13.9493, 13.0227, 3.4717**.

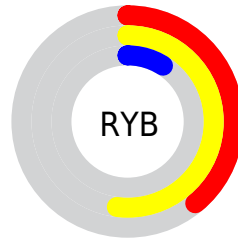
Distribution




 Red (52%)

 Green (35%)

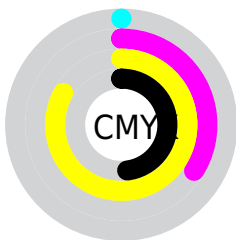
 Blue (9%)



 Red (39%)

 Yellow (52%)

 Blue (9%)

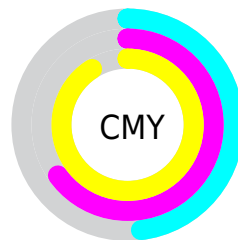



 Cyan (0%)

 Magenta (34%)

 Yellow (83%)

 Black (48%)



 Cyan (48%)

 Magenta (65%)

 Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3172, 12.0279, 2.4303 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 13.3172, 12.0279, 2.4303 by changing the saturation by 10% instead.

■ 13.3172, 12.0279,
2.4303

■ 13.3172, 12.0279,
2.4303

206.5374,
204.5899, 128.7365

■ 7.7258, 6.7627,
0.8029

■ 31.4690, 29.5459,
10.1870

■ 3.9703, 3.3141,
0.0000

■ 44.7601, 42.5675,
17.1621

■ 1.6854, 1.2978,
0.0000

■ 61.3485, 58.9433,
26.7598

■ 0.4471, 0.1395,
0.0000


■ 81.5996, 79.0578,
39.3987


■ 0.0000, 0.0000,
0.0000


■ 105.8786,
103.2953, 55.4973


■ 134.5511,


132.0402, 75.4741


 167.9822,
165.6769, 99.7476


 13.3172, 12.0279,
2.4303


 13.3172, 12.0279,
2.4303


 12.7859, 11.1277,
1.7526


 13.9493, 13.0227,
3.4717

 12.4396, 10.5203,
1.3750

 14.6908, 14.1153,
4.9230

 15.5503, 15.3105,
6.8238

 16.5349, 16.6125,
9.2093

 17.6513, 18.0247,
12.1107

■ 18.9054, 19.5507,
15.5569

■ 20.3029, 21.1937,
19.5745

■ 21.8492, 22.9567,
24.1884

■ 23.5490, 24.8427,
29.4219

Harmonies

Analogous

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



16.5446, 12.0279, 4.3621



13.3172, 12.0279, 2.4303



10.0916, 12.0279, 2.3334

Triad

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



13.3172, 12.0279, 2.4303



6.4212, 12.0279, 17.5173



16.1789, 12.0279, 30.6586

Complementary

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



13.3172, 12.0279, 2.4303



6.6538, 6.0094, 22.9992

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.



12.8865, 12.0279, 38.8855



13.3172, 12.0279, 2.4303



7.4990, 12.0279, 29.2276

Square

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



13.3172, 12.0279, 2.4303



6.4933, 12.0279, 8.6097



9.7340, 12.0279, 38.2653



18.3966, 12.0279, 18.9207

Rectangle

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



13.3172, 12.0279, 2.4303



8.3871, 12.0279, 3.1805



9.7340, 12.0279, 38.2653



15.1372, 12.0279, 34.1273

Sweetspot

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



13.3175, 12.0285, 2.4305



33.1876, 34.2085, 25.9904



11.0482, 6.0269, 6.1842



7.3251, 7.5227, 5.4372



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.



13.3175, 12.0285, 2.4305



22.1998, 18.6700, 2.4834



16.8301, 21.1093, 3.9982



4.8842, 5.1120, 4.9587



11.8572, 10.0370, 1.3124



0.0483, 0.0492, 0.0069

Inverse Universe

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



6.6538, 6.0094, 22.9992



9.9177, 7.6726, 40.6966



5.1409, 2.6161, 22.4239



4.5793, 4.8343, 5.8925



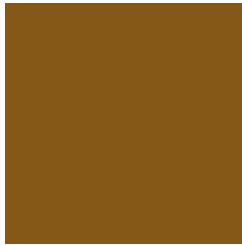
5.3147, 4.1773, 21.6629



0.0253, 0.0282, 0.0773

Previews

White Background



This preview shows how the XYZ color 13.3172, 12.0279, 2.4303 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



This preview shows how the XYZ color 13.3172, 12.0279, 2.4303 looks on a 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 13.3172, 12.0279, 2.4303

Background



This preview shows how black text looks on a background with the XYZ color 13.3172, 12.0279, 2.4303.



This preview shows how white text looks on a background with the XYZ color 13.3172, 12.0279,

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

13.3172, 12.0279, 2.4303

Protanopia

10.9845, 12.1249, 2.7387

Deuteranopia

12.2181, 12.0938, 2.3998



Tritanopia

14.9321, 11.9734, 10.7566

Trichromacy



Original Color

13.3172, 12.0279, 2.4303

Protanomaly

11.6494, 11.9271, 2.6079

Deuteranomaly

12.6383, 12.0521, 2.4192

Tritanomaly

14.0874, 11.8617, 6.3975

Monochromacy



Original Color

13.3172, 12.0279, 2.4303

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.0549, 11.2598, 7.0595

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3172, 12.0279, 2.4303 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(133, 88, 23)` looks like.

```
.text, #text, p{  
    color:rgb(133, 88, 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(133, 88, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 88, 23) }
```

Border

The CSS property to change the border of an element to XYZ 13.3172, 12.0279, 2.4303 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(133, 88, 23) }
```


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

```
.border{ border-color:rgb(133, 88, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 88, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 88, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 88, 23);  
box-shadow:4px 4px 4px 4px rgb(133, 88,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3172, 12.0279, 2.4303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 88, 23) }
```

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

```
.background{ background-color: rgb(133, 88,  
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](#).

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