

Converting Colors

XYZ(12.2518, 9.7273, 2.0488)

Have a look what the booklet for
XYZ(12.2518, 9.7273, 2.0488)
contains.

XYZ(12.3035, 9.7649, 2.0470)	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(12.3035, 9.7649,
2.0470)**

Conversions

Conversions Part 1

Format	Color
Hex	864817
RGB	134, 72, 23
RGB Percent	53%, 28%, 9%
CMY	0.4745, 0.7176, 0.9098
CMYK	0.00, 0.46, 0.83, 0.47
HSL	26°, 71%, 31%
HSV	26°, 83%, 53%
XYZ	12.3035, 9.7649, 2.0470
YIQ	84.9520, 52.6810, -2.0950

Conversions

Conversions Part 2

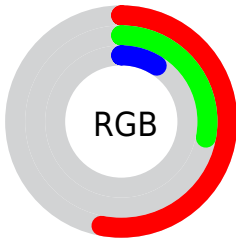
Format	Color
R_{YB}	134, 111, 23
Decimal	8800279
CIE Lab	37.42, 22.68, 38.92
CIE LCh	37, 45.046, 59.764
Yxy	9.7649, 0.5102, 0.4049
Android (android.graphics.Color)	4286990359 (0xFF864817)
YUV	84.9520, -30.5423, 43.0151
Hunter-Lab	31.2488, 15.5947, 17.9903

Details

The XYZ color **12.3035, 9.7649, 2.0470** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **7.9047, 8.4000, 23.7587**, and the grayscale version is **8.6790, 9.1310, 9.9437**.

A 20% lighter version of the original color is **29.6811, 25.3234, 9.1179**, and **3.6164, 2.4461, 0.2815** is the 20% darker color. If you saturate the color by 10%, you get **11.7469, 8.8150, 1.3581**, and if you desaturate by 10%, it is **12.9874, 10.8608, 3.1133**.

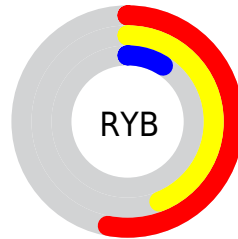
Distribution



Red (53%)

Green (28%)

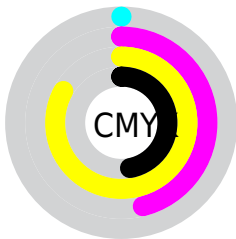
Blue (9%)



Red (53%)

Yellow (44%)

Blue (9%)

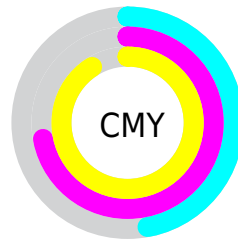


Cyan (0%)

Magenta (46%)

Yellow (83%)

Black (47%)



Cyan (47%)


Magenta (72%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.3035, 9.7649, 2.0470 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 12.3035, 9.7649, 2.0470 by changing the saturation by 10% instead.


 12.3035, 9.7649,
2.0470


 12.3035, 9.7649,
2.0470


200.1335,
188.9858, 123.1024


 7.0244, 5.2434,
0.5840


 29.6588, 25.3524,
9.1689


 3.5238, 2.3907,
0.0000

 42.4656, 37.1871,
15.7126


 1.4364, 0.8211,
0.0000

 58.5124, 52.2283,
24.8030

 0.2820, 0.0000,
0.0000


 78.1646, 70.8604,
36.8584


 0.0000, 0.0000,
0.0000


 101.7874, 93.4678,
52.2976


 129.7463,


120.4349, 71.5389


 162.4065,
152.1461, 95.0010


 12.3035, 9.7649,
2.0470

 12.3035, 9.7649,
2.0470


 11.7469, 8.8150,
1.3581


 12.9874, 10.8608,
3.1133

 11.4034, 8.2123,
0.9841

 13.8089, 12.1088,
4.6047

 14.7777, 13.5163,
6.5623

 15.9025, 15.0897,
9.0222

 17.1911, 16.8348,
12.0167

■ 18.6506, 18.7572,
15.5755

■ 20.2878, 20.8622,
19.7261

■ 22.1090, 23.1549,
24.4943

■ 24.1203, 25.6401,
29.9040

Harmonies

Analogous

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



14.8587, 9.7649, 4.6157



12.3035, 9.7649, 2.0470



9.3037, 9.7649, 1.4178

Triad

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



12.3035, 9.7649, 2.0470



4.8301, 9.7649, 10.5682



12.2567, 9.7649, 30.7393

Complementary

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



12.3035, 9.7649, 2.0470



7.9047, 8.4000, 23.7587

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.



9.2588, 9.7649, 35.1080



12.3035, 9.7649, 2.0470



5.3101, 9.7649, 20.4100

Square

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



12.3035, 9.7649, 2.0470



5.3255, 9.7649, 4.5523



6.7995, 9.7649, 30.6092



14.8280, 9.7649, 20.5822

Rectangle

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



12.3035, 9.7649, 2.0470



7.5584, 9.7649, 1.6714



6.7995, 9.7649, 30.6092



11.2479, 9.7649, 33.1096

Sweetspot

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



12.3037, 9.7654, 2.0472



32.1320, 32.0973, 25.6386



11.8136, 6.3514, 9.3864



7.0650, 7.0025, 5.3505



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.



12.3037, 9.7654, 2.0472



20.0220, 14.3144, 1.7575



17.5238, 20.2056, 3.7872



4.8292, 5.0020, 4.9403



10.6972, 7.7171, 0.9257



0.0441, 0.0409, 0.0056

Inverse Universe

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



7.9047, 8.4000, 23.7587



11.9350, 11.7072, 41.3691



5.1309, 2.8524, 22.8341



4.6341, 4.9438, 5.9108



6.3914, 6.3305, 22.0217



0.0294, 0.0365, 0.0787

Previews

White Background



This preview shows how the XYZ color 12.3035, 9.7649, 2.0470 looks on a white background.

Color Contrast Check

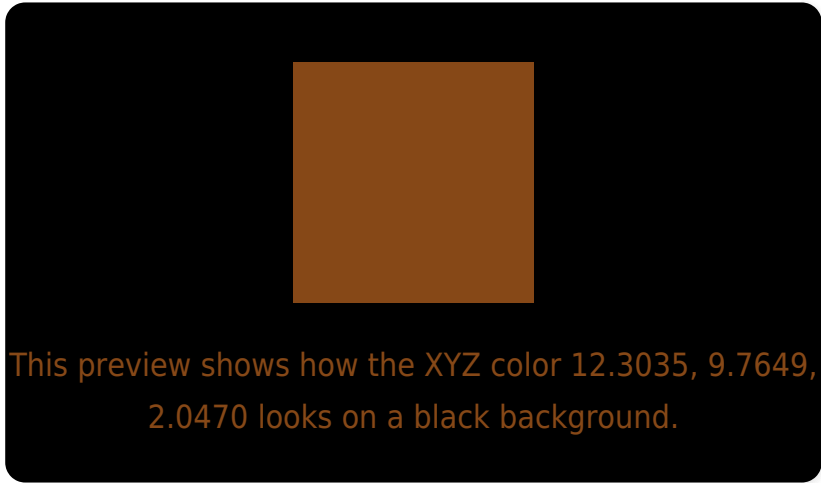
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3035, 9.7649, 2.0470

Background



This preview shows how black text looks on a background with the XYZ color 12.3035, 9.7649, 2.0470.



This preview shows how white text looks on a background with the XYZ color 12.3035, 9.7649,

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

12.3035, 9.7649, 2.0470

Protanopia

8.9158, 9.8765, 2.4734

Deuteranopia

9.9536, 9.8259, 1.9023



Tritanopia

13.3302, 9.7164, 7.3038

Trichromacy



Original Color

12.3035, 9.7649, 2.0470

Protanomaly

9.9618, 9.7058, 2.3257

Deuteranomaly

10.7319, 9.7774, 1.9377

Tritanomaly

12.7856, 9.6735, 4.6833

Monochromacy



Original Color

12.3035, 9.7649, 2.0470

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

9.3317, 8.9687, 5.7967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3035, 9.7649, 2.0470 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(134, 72, 23)` looks like.

```
.text, #text, p{  
    color:rgb(134, 72, 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(134, 72, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 72, 23) }
```

Border

The CSS property to change the border of an element to XYZ 12.3035, 9.7649, 2.0470 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(134, 72, 23) }
```


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

```
.border{ border-color:rgb(134, 72, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 72, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 72, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 72, 23);  
box-shadow:4px 4px 4px 4px rgb(134, 72,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3035, 9.7649, 2.0470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 72, 23) }
```

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

```
.background{ background-color: rgb(134, 72,  
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](#).

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