

Converting Colors

XYZ(12.2735, 9.7138, 2.5920)

Have a look what the booklet for
XYZ(12.2735, 9.7138, 2.5920)
contains.

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Color

**XYZ(12.2509, 9.7256,
2.5980)**

Conversions

Conversions Part 1

Format	Color
Hex	854820
RGB	133, 72, 32
RGB Percent	52%, 28%, 13%
CMY	0.4784, 0.7176, 0.8745
CMYK	0.00, 0.46, 0.76, 0.48
HSL	24°, 61%, 32%
HSV	24°, 76%, 52%
XYZ	12.2509, 9.7256, 2.5980
YIQ	85.6790, 49.1960, 0.4920

Conversions

Conversions Part 2

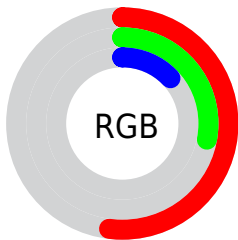
Format	Color
RYB	133, 98, 32
Decimal	8734752
CIELab	37.35, 22.63, 34.40
CIELCh	37, 41.175, 56.656
Yxy	9.7256, 0.4985, 0.3958
Android (android.graphics.Color)	4286924832 (0xFF854820)
YUV	85.6790, -26.4637, 41.5005
Hunter-Lab	31.1859, 15.5457, 16.8909

Details

The XYZ color **12.2509, 9.7256, 2.5980** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **8.7432, 9.8283, 23.6262**, and the grayscale version is **8.8246, 9.2842, 10.1105**.

A 20% lighter version of the original color is **29.4477, 25.1720, 10.5143**, and **3.5113, 2.3585, 0.2702** is the 20% darker color. If you saturate the color by 10%, you get **11.6196, 8.6962, 1.6689**, and if you desaturate by 10%, it is **13.0235, 10.9210, 3.9346**.

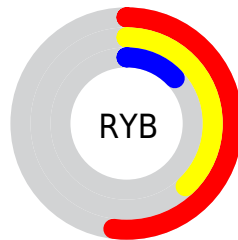
Distribution



Red (52%)

Green (28%)

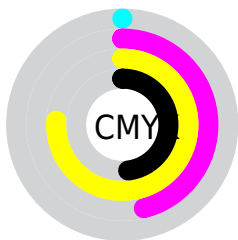
Blue (13%)



Red (52%)

Yellow (38%)

Blue (13%)

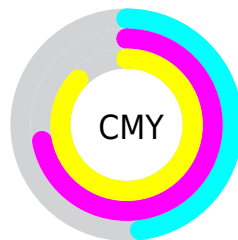


Cyan (0%)

Magenta (46%)

Yellow (76%)

Black (48%)



Cyan (48%)

Magenta (72%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2509, 9.7256, 2.5980 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 12.2509, 9.7256, 2.5980 by changing the saturation by 10% instead.

■ 12.2509, 9.7256,
2.5980

■ 12.2509, 9.7256,
2.5980

199.7955,
188.7023, 131.0633

■ 6.9882, 5.2174,
0.8914

■ 29.5642, 25.2781,
10.6192

■ 3.5010, 2.3754,
0.0000

■ 42.3454, 37.0912,
17.7728

■ 1.4239, 0.8132,
0.0000

■ 58.3636, 52.1080,
27.5797

■ 0.2732, 0.0000,
0.0000

■ 77.9840, 70.7130,
40.4585

■ 0.0000, 0.0000,
0.0000

■ 101.5721, 93.2905,
56.8277

■ 129.4931,

120.2250, 77.1059

162.1125,
151.9008, 101.7116

12.2509, 9.7256,
2.5980

12.2509, 9.7256,
2.5980

11.6196, 8.6962,
1.6689

13.0235, 10.9210,
3.9346

11.1136, 7.8209,
1.0789

13.9472, 12.2889,
5.7204

10.9312, 7.5035,
0.8722

15.0313, 13.8372,
7.9925

16.2841, 15.5729,
10.7837

17.7134, 17.5025,
14.1242

■ 19.3264, 19.6322,
18.0417

■ 21.1298, 21.9678,
22.5621

■ 23.1301, 24.5149,
27.7096

■ 25.3333, 27.2790,
33.5072

Harmonies

Analogous

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



14.4301, 9.7256, 5.4047



12.2509, 9.7256, 2.5980



9.5366, 9.7256, 1.7917

Triad

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



12.2509, 9.7256, 2.5980



5.1199, 9.7256, 9.7815



11.6556, 9.7256, 29.0633

Complementary

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



12.2509, 9.7256, 2.5980



8.7432, 9.8283, 23.6262

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.



8.9573, 9.7256, 32.0776



12.2509, 9.7256, 2.5980



5.4782, 9.7256, 18.3373

Square

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



12.2509, 9.7256, 2.5980



5.6851, 9.7256, 4.5381



6.7742, 9.7256, 27.4675



14.0439, 9.7256, 20.4880

Rectangle

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



12.2509, 9.7256, 2.5980



7.8923, 9.7256, 1.9726



6.7742, 9.7256, 27.4675



10.7416, 9.7256, 30.8938

Sweetspot

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



12.2511, 9.7261, 2.5982



32.3890, 32.2323, 26.8928



12.2224, 6.8328, 11.3311



7.1036, 7.0041, 5.5962



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.



12.2511, 9.7261, 2.5982



20.1447, 14.4300, 2.1984



16.7971, 18.8181, 4.1135



4.8127, 4.9690, 4.9348



10.4199, 7.1623, 0.8333



0.0429, 0.0384, 0.0051

Inverse Universe

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



8.7432, 9.8283, 23.6262



13.4621, 14.4864, 41.8250



5.7219, 3.7858, 22.6191



4.6509, 4.9774, 5.9164



6.7955, 7.1387, 22.1564



0.0307, 0.0390, 0.0791

Previews

White Background



This preview shows how the XYZ color 12.2509, 9.7256, 2.5980 looks on a white background.

Color Contrast Check

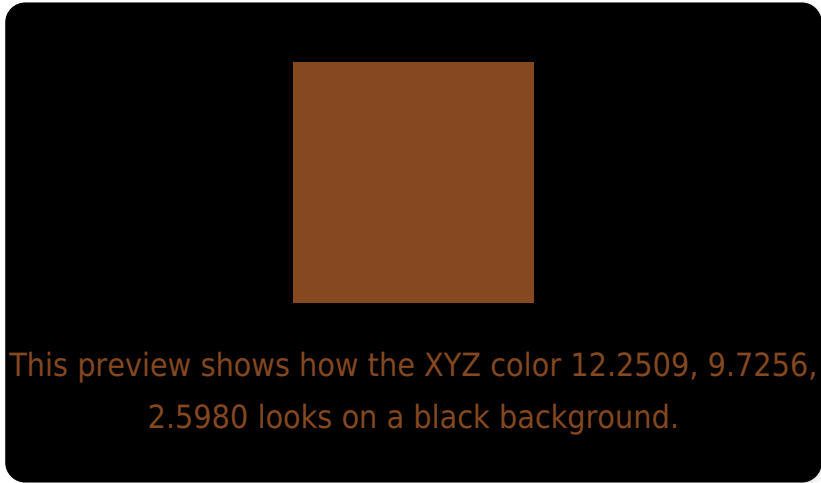
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2509, 9.7256, 2.5980

Background



This preview shows how black text looks on a background with the XYZ color 12.2509, 9.7256, 2.5980.



This preview shows how white text looks on a background with the XYZ color 12.2509, 9.7256,

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

12.2509, 9.7256, 2.5980

Protanopia

9.0519, 9.9310, 3.1900

Deuteranopia

9.9355, 9.8040, 2.4673



Tritanopia

13.2285, 9.7530, 7.3162

Trichromacy



Original Color

12.2509, 9.7256, 2.5980

Protanomaly

9.9522, 9.6874, 2.9354

Deuteranomaly

10.6982, 9.7480, 2.4801

Tritanomaly

12.6982, 9.6200, 5.0585

Monochromacy



Original Color

12.2509, 9.7256, 2.5980

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.5193, 9.1618, 6.4209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2509, 9.7256, 2.5980 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, 72, 32)` looks like.

```
.text, #text, p{  
    color:rgb(133, 72, 32)  
}
```

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, 72, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 72, 32) }
```

Border

The CSS property to change the border of an element to XYZ 12.2509, 9.7256, 2.5980 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, 72, 32) }
```


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

```
.border{ border-color:rgb(133, 72, 32) }
```

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

Here you see how a box with a 4 pixel rgb(133, 72, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 72, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 72, 32);  
box-shadow:4px 4px 4px 4px rgb(133, 72,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2509, 9.7256, 2.5980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 72, 32) }
```

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

```
.background{ background-color: rgb(133, 72,  
32) }
```

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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