

Converting Colors

XYZ(12.9629, 9.5131, 3.9493)

Have a look what the booklet for
XYZ(12.9629, 9.5131, 3.9493)
contains.

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Color

**XYZ(12.9629, 9.5131,
3.9493)**

Conversions

Conversions Part 1

Format	Color
Hex	8A4230
RGB	138, 66, 48
RGB Percent	54%, 26%, 19%
CMY	0.4588, 0.7412, 0.8118
CMYK	0.00, 0.52, 0.65, 0.46
HSL	12°, 48%, 36%
HSV	12°, 65%, 54%
XYZ	12.9629, 9.5131, 3.9493
YIQ	85.4760, 48.6900, 9.6660

Conversions

Conversions Part 2

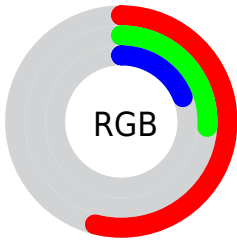
Format	Color
R_{YB}	138, 71, 48
Decimal	9060912
CIE _{Lab}	36.95, 29.12, 25.10
CIE _{LCh}	37, 38.442, 40.755
Yxy	9.5131, 0.4905, 0.3600
Android (android.graphics.Color)	4287250992 (0xFF8A4230)
YUV	85.4760, -18.4757, 46.0635
Hunter-Lab	30.8433, 21.0446, 13.9986

Details

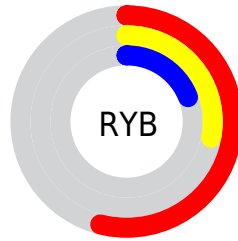
The XYZ color **12.9629, 9.5131, 3.9493** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **12.5222, 15.8951, 26.4526**, and the grayscale version is **8.7654, 9.2219, 10.0426**.

A 20% lighter version of the original color is **30.8166, 24.9191, 14.0121**, and **3.7945, 2.2760, 0.2967** is the 20% darker color. If you saturate the color by 10%, you get **12.1373, 8.2490, 2.4811**, and if you desaturate by 10%, it is **14.0021, 11.0628, 5.9261**.

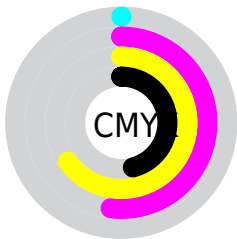
Distribution



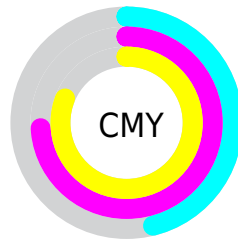
- Red (54%)
- Green (26%)
- Blue (19%)



- Red (54%)
- Yellow (28%)
- Blue (19%)



- Cyan (0%)
- Magenta (52%)
- Yellow (65%)
- Black (46%)




- Cyan (46%)
- Magenta (74%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.9629, 9.5131, 3.9493 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 12.9629, 9.5131, 3.9493 by changing the saturation by 10% instead.


 12.9629, 9.5131,
3.9493


 12.9629, 9.5131,
3.9493


204.3222,
187.1608, 147.6602


 7.4798, 5.0773,
1.5976


 30.8390, 24.8756,
13.8927


 3.8129, 2.2927,
0.2891

 43.9627, 36.5711,
22.3214


 1.5969, 0.7698,
0.0000

 60.3641, 51.4553,
33.6128

 0.3904, 0.0000,
0.0000

 80.4084, 69.9126,
48.1856

 0.0000, 0.0000,
0.0000

 104.4610, 92.3274,
66.4581

 132.8872,

119.0841, 88.8491

166.0525,
150.5671, 115.7769

■ 12.9629, 9.5131,
3.9493

■ 12.9629, 9.5131,
3.9493

■ 12.1373, 8.2490,
2.4811

■ 14.0021, 11.0628,
5.9261

■ 11.5089, 7.2510,
1.4737

■ 15.2683, 12.9126,
8.4526

■ 11.0580, 6.4991,
0.8612

■ 16.7746, 15.0782,
11.5659

■ 10.8871, 6.2152,
0.6258

■ 18.5328, 17.5733,
15.3000

■ 20.5539, 20.4113,
19.6862

■ 22.8482, 23.6043,
24.7537

■ 25.4257, 27.1643,
30.5299

■ 28.2955, 31.1023,
37.0407

■ 31.4666, 35.4292,
44.3106

Harmonies

Analogous

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



14.3138, 9.5131, 8.1033



12.9629, 9.5131, 3.9493



10.6329, 9.5131, 2.2652

Triad

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



12.9629, 9.5131, 3.9493



5.3782, 9.5131, 6.6164



9.9215, 9.5131, 29.2626

Complementary

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



12.9629, 9.5131, 3.9493



12.5222, 15.8951, 26.4526

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.



7.6182, 9.5131, 28.2722



12.9629, 9.5131, 3.9493



5.2553, 9.5131, 12.9967

Square

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



12.9629, 9.5131, 3.9493



6.3753, 9.5131, 3.2721



6.0040, 9.5131, 21.4627



12.3643, 9.5131, 23.7666

Rectangle

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



12.9629, 9.5131, 3.9493



8.9818, 9.5131, 2.0104



6.0040, 9.5131, 21.4627



9.1023, 9.5131, 29.7221

Sweetspot

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



12.9631, 9.5136, 3.9495



34.3149, 33.2954, 30.5253



14.9282, 8.8732, 18.6951



7.5069, 7.2011, 6.4360



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.9631, 9.5136, 3.9495



20.8602, 13.7014, 3.4882



16.6990, 16.9854, 5.1948



5.1087, 5.2002, 5.2869



9.9910, 5.7164, 0.5768



0.0749, 0.0551, 0.0067

Inverse Universe

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



12.5222, 15.8951, 26.4526



19.9431, 25.6909, 46.2909



8.3225, 7.4956, 25.0526



5.0893, 5.5216, 6.4034



9.3677, 12.0057, 23.8693



0.0722, 0.0997, 0.1619

Previews

White Background



This preview shows how the XYZ color 12.9629, 9.5131, 3.9493 looks on a white background.

Color Contrast Check

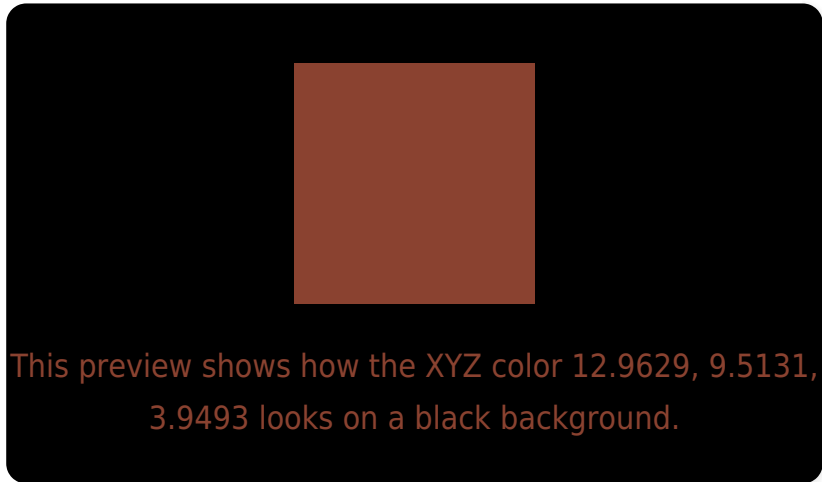
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9629, 9.5131, 3.9493

Background



This preview shows how black text looks on a background with the XYZ color 12.9629, 9.5131, 3.9493.



This preview shows how white text looks on a background with the XYZ color 12.9629, 9.5131,

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

12.9629, 9.5131, 3.9493

Protanopia

8.9228, 9.6979, 5.1430

Deuteranopia

9.7322, 9.5565, 3.7145



Tritanopia

13.4684, 9.4613, 6.5852

Trichromacy



Original Color

12.9629, 9.5131, 3.9493

Protanomaly

10.0668, 9.3739, 4.6469

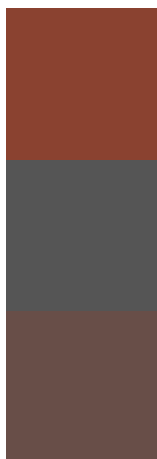
Deuteranomaly

10.7353, 9.4192, 3.7349

Tritanomaly

13.3232, 9.4927, 5.5449

Monochromacy



Original Color

12.9629, 9.5131, 3.9493

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

9.6030, 8.8597, 7.3349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9629, 9.5131, 3.9493 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(138, 66, 48)` looks like.

```
.text, #text, p{  
    color:rgb(138, 66, 48)  
}
```

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(138, 66, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 66, 48) }
```

Border

The CSS property to change the border of an element to XYZ 12.9629, 9.5131, 3.9493 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(138, 66, 48) }
```


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

```
.border{ border-color:rgb(138, 66, 48) }
```

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

Here you see how a box with a 4 pixel rgb(138, 66, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 66, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 66, 48);  
box-shadow:4px 4px 4px 4px rgb(138, 66,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9629, 9.5131, 3.9493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 66, 48) }
```

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

```
.background{ background-color: rgb(138, 66,  
48) }
```

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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