

Converting Colors

XYZ(16.2701, 11.3134, 4.1138)

Have a look what the booklet for
XYZ(16.2701, 11.3134, 4.1138)
contains.

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Color

**XYZ(16.2510, 11.2956,
4.1201)**

Conversions

Conversions Part 1

Format	Color
Hex	9C4330
RGB	156, 67, 48
RGB Percent	61%, 26%, 19%
CMY	0.3882, 0.7372, 0.8118
CMYK	0.00, 0.57, 0.69, 0.39
HSL	11°, 53%, 40%
HSV	11°, 69%, 61%
XYZ	16.2510, 11.2956, 4.1201
YIQ	91.4450, 59.1430, 12.9590

Conversions

Conversions Part 2

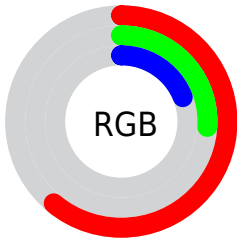
Format	Color
RYB	156, 71, 48
Decimal	10240816
CIELab	40.07, 35.82, 29.53
CIELCh	40, 46.422, 39.510
Yxy	11.2956, 0.5132, 0.3567
Android (android.graphics.Color)	4288430896 (0xFF9C4330)
YUV	91.4450, -21.4184, 56.6147
Hunter-Lab	33.6089, 27.4949, 16.2579

Details

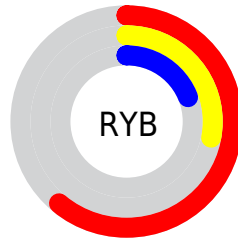
The XYZ color **16.2510, 11.2956, 4.1201** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **16.1648, 20.9189, 34.6382**, and the grayscale version is **10.0837, 10.6088, 11.5530**.

A 20% lighter version of the original color is **36.5683, 28.2302, 14.3481**, and **5.3418, 3.0276, 0.3603** is the 20% darker color. If you saturate the color by 10%, you get **15.3026, 9.8267, 2.4855**, and if you desaturate by 10%, it is **17.4828, 13.1504, 6.4080**.

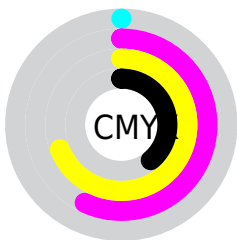
Distribution



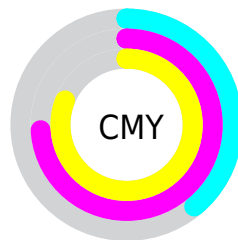
- Red (61%)
- Green (26%)
- Blue (19%)



- Red (61%)
- Yellow (28%)
- Blue (19%)



- Cyan (0%)
- Magenta (57%)
- Yellow (69%)
- Black (39%)



- Cyan (39%)
- Magenta (74%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2510, 11.2956, 4.1201 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 16.2510, 11.2956, 4.1201 by changing the saturation by 10% instead.

■ 16.2510, 11.2956,
4.1201

■ 16.2510, 11.2956,
4.1201

224.0597,
199.6845, 149.5511

■ 9.7939, 6.2660,
1.6915

■ 36.5873, 28.2055,
14.2858

■ 5.3237, 3.0075,
0.3549

■ 51.1973, 40.8546,
22.8600

■ 2.4751, 1.1357,
0.0000

■ 69.2556, 56.8124,
34.3197

■ 0.8827, 0.0082,
0.0000

■ 91.1276, 76.4631,
49.0836

■ 0.0000, 0.0000,
0.0000

■ 117.1787,
100.1914, 67.5701

■ 147.7741,

128.3814, 90.1978

183.2793,
161.4176, 117.3853

■ 16.2510, 11.2956,
4.1201

■ 16.2510, 11.2956,
4.1201

■ 15.3026, 9.8267,
2.4855

■ 17.4828, 13.1504,
6.4080

■ 14.6131, 8.7141,
1.4340

■ 19.0183, 15.4141,
9.4084

■ 14.1426, 7.9221,
0.8182

■ 20.8766, 18.1102,
13.1744

■ 14.1126, 7.8726,
0.7757

■ 23.0752, 21.2596,
17.7540

■ 25.6302, 24.8822,
23.1909

■ 28.5566, 28.9963,
29.5262

■ 31.8685, 33.6196,
36.7980

■ 35.5795, 38.7686,
45.0422

■ 39.7023, 44.4593,
54.2930

Harmonies

Analogous

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



18.0660, 11.2956, 9.5979



16.2510, 11.2956, 4.1201



13.0504, 11.2956, 2.0486

Triad

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



16.2510, 11.2956, 4.1201



5.9214, 11.2956, 7.0813



11.7910, 11.2956, 39.3532

Complementary

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



16.2510, 11.2956, 4.1201



16.1648, 20.9189, 34.6382

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.



8.7130, 11.2956, 37.4786



16.2510, 11.2956, 4.1201



5.7177, 11.2956, 15.4645

Square

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



16.2510, 11.2956, 4.1201



7.2617, 11.2956, 3.0687



6.6357, 11.2956, 27.3646



15.1724, 11.2956, 31.6566

Rectangle

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



16.2510, 11.2956, 4.1201



10.7891, 11.2956, 1.7278



6.6357, 11.2956, 27.3646



10.6833, 11.2956, 39.8828

Sweetspot

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



16.2513, 11.2962, 4.1203



45.4809, 43.6800, 39.8262



19.3547, 11.0169, 25.1512



9.7429, 9.2365, 8.1983



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



16.2513, 11.2962, 4.1203



27.0607, 16.6773, 3.3581



20.9603, 20.7143, 5.6900



6.7228, 6.8255, 6.9488



11.6435, 6.5225, 0.6453



0.2311, 0.1625, 0.0192

Inverse Universe

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



16.1648, 20.9189, 34.6382



26.7573, 35.0631, 62.4843



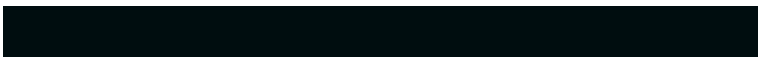
10.3901, 9.3695, 32.7133



6.7225, 7.3108, 8.4635



11.3827, 14.8570, 28.1750



0.2273, 0.3133, 0.5117

Previews

White Background



This preview shows how the XYZ color 16.2510, 11.2956, 4.1201 looks on a white background.

Color Contrast Check

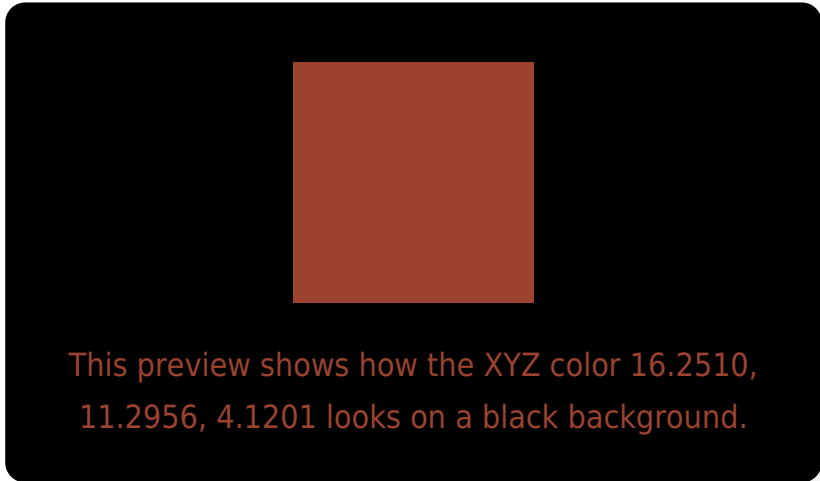
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2510, 11.2956, 4.1201

Background



This preview shows how black text looks on a background with the XYZ color 16.2510, 11.2956, 4.1201.



This preview shows how white text looks on a background with the XYZ color 16.2510, 11.2956,

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

16.2510, 11.2956, 4.1201

Protanopia

10.5648, 11.4330, 5.6529

Deuteranopia

11.6483, 11.5081, 3.8929



Tritanopia

16.8122, 11.2646, 6.9184

Trichromacy



Original Color

16.2510, 11.2956, 4.1201

Protanomaly

12.0827, 10.9743, 4.9714

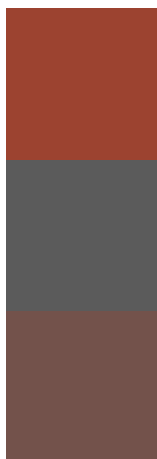
Deuteranomaly

13.0067, 11.1296, 3.9453

Tritanomaly

16.6372, 11.2856, 5.7163

Monochromacy



Original Color

16.2510, 11.2956, 4.1201

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

11.3575, 10.1874, 8.0244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2510, 11.2956, 4.1201 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(156, 67, 48)` looks like.

```
.text, #text, p{  
    color:rgb(156, 67, 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(156, 67, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 67, 48) }
```

Border

The CSS property to change the border of an element to XYZ 16.2510, 11.2956, 4.1201 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(156, 67, 48) }
```


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

```
.border{ border-color:rgb(156, 67, 48) }
```

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

Here you see how a box with a 4 pixel rgb(156, 67, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 67, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 67, 48);  
box-shadow:4px 4px 4px 4px rgb(156, 67,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2510, 11.2956, 4.1201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 67, 48) }
```

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

```
.background{ background-color: rgb(156, 67,  
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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