

Converting Colors

XYZ(16.1877, 11.2895, 3.9418)

Have a look what the booklet for
XYZ(16.1877, 11.2895, 3.9418)
contains.

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Color

**XYZ(16.2106, 11.2795,
3.9075)**

Conversions

Conversions Part 1

Format	Color
Hex	9C432E
RGB	156, 67, 46
RGB Percent	61%, 26%, 18%
CMY	0.3882, 0.7372, 0.8196
CMYK	0.00, 0.57, 0.71, 0.39
HSL	11°, 54%, 40%
HSV	11°, 71%, 61%
XYZ	16.2106, 11.2795, 3.9075
YIQ	91.2170, 59.7850, 12.3370

Conversions

Conversions Part 2

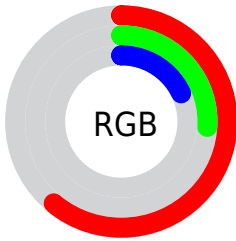
Format	Color
RYB	156, 72, 46
Decimal	10240814
CIELab	40.05, 35.70, 30.66
CIElCh	40, 47.061, 40.660
Yxy	11.2795, 0.5163, 0.3592
Android (android.graphics.Color)	4288430894 (0xFF9C432E)
YUV	91.2170, -22.2920, 56.8147
Hunter-Lab	33.5850, 27.3837, 16.6113

Details

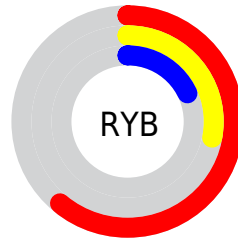
The XYZ color **16.2106, 11.2795, 3.9075** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **15.7906, 20.3075, 34.5398**, and the grayscale version is **10.0334, 10.5559, 11.4954**.

A 20% lighter version of the original color is **36.4785, 28.1943, 13.8753**, and **5.3309, 3.0232, 0.3026** is the 20% darker color. If you saturate the color by 10%, you get **15.2868, 9.8380, 2.3485**, and if you desaturate by 10%, it is **17.4102, 13.0941, 6.1099**.

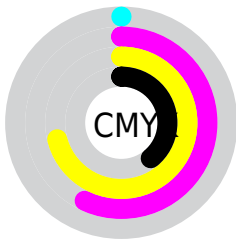
Distribution



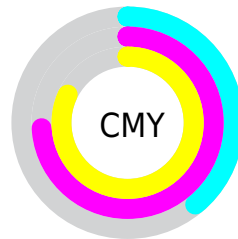
- Red (61%)
- Green (26%)
- Blue (18%)



- Red (61%)
- Yellow (28%)
- Blue (18%)



- Cyan (0%)
- Magenta (57%)
- Yellow (71%)
- Black (39%)



- Cyan (39%)
- Magenta (74%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2106, 11.2795, 3.9075 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 16.2106, 11.2795, 3.9075 by changing the saturation by 10% instead.

■ 16.2106, 11.2795,
3.9075

■ 16.2106, 11.2795,
3.9075

223.8273,
199.5752, 147.1916

■ 9.7651, 6.2552,
1.5747

■ 36.5179, 28.1759,
13.7959

■ 5.3046, 3.0008,
0.2727

■ 51.1105, 40.8167,
22.1885

■ 2.4636, 1.1322,
0.0000

■ 69.1494, 56.7651,
33.4383

■ 0.8770, 0.0052,
0.0000

■ 91.0001, 76.4055,
47.9636

■ 0.0000, 0.0000,
0.0000

■ 117.0278,
100.1223, 66.1830

■ 147.5980,

128.3000, 88.5152

183.0761,
161.3228, 115.3785

■ 16.2106, 11.2795,
3.9075

■ 16.2106, 11.2795,
3.9075

■ 15.2868, 9.8380,
2.3485

■ 17.4102, 13.0941,
6.1099

■ 14.6146, 8.7410,
1.3614

■ 18.9055, 15.3038,
9.0158

■ 14.1692, 7.9858,
0.7946

■ 20.7154, 17.9311,
12.6788

■ 22.8569, 20.9961,
17.1473

■ 25.3457, 24.5179,
22.4654

■ 28.1966, 28.5140,
28.6743

■ 31.4236, 33.0015,
35.8123

■ 35.0397, 37.9961,
43.9155

■ 39.0573, 43.5133,
53.0180

Harmonies

Analogous

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



18.1320, 11.2795, 9.2522



16.2106, 11.2795, 3.9075



12.9325, 11.2795, 1.9390

Triad

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



16.2106, 11.2795, 3.9075



5.8291, 11.2795, 7.2460



11.9221, 11.2795, 39.7014

Complementary

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



16.2106, 11.2795, 3.9075



15.7906, 20.3075, 34.5398

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.



8.7769, 11.2795, 38.1845



16.2106, 11.2795, 3.9075



5.6671, 11.2795, 15.9087

Square

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



16.2106, 11.2795, 3.9075



7.1347, 11.2795, 3.0792



6.6358, 11.2795, 28.0753



15.3433, 11.2795, 31.5412

Rectangle

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



16.2106, 11.2795, 3.9075



10.6488, 11.2795, 1.6583



6.6358, 11.2795, 28.0753



10.7932, 11.2795, 40.3796

Sweetspot

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



16.2109, 11.2801, 3.9077



45.6004, 43.9191, 39.8661



19.1193, 10.7947, 24.3063



9.7714, 9.2935, 8.2078



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.



16.2109, 11.2801, 3.9077



26.9611, 16.5686, 3.0459



21.0610, 20.9804, 5.5244



6.7305, 6.8410, 6.9514



11.6912, 6.6181, 0.6612



0.2336, 0.1675, 0.0200

Inverse Universe

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



15.7906, 20.3075, 34.5398



25.9939, 33.7282, 62.2669



10.0575, 8.8413, 32.6287



6.7141, 7.2940, 8.4607



11.1343, 14.3601, 28.0922



0.2245, 0.3076, 0.5108

Previews

White Background



This preview shows how the XYZ color 16.2106, 11.2795, 3.9075 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 16.2106, 11.2795, 3.9075 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 16.2106, 11.2795, 3.9075

Background



This preview shows how black text looks on a background with the XYZ color 16.2106, 11.2795, 3.9075.



This preview shows how white text looks on a background with the XYZ color 16.2106, 11.2795,

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

16.2106, 11.2795, 3.9075

Protanopia

10.4907, 11.4033, 5.2626

Deuteranopia

11.5276, 11.3240, 3.6760



Tritanopia

16.7814, 11.2522, 6.7563

Trichromacy



Original Color

16.2106, 11.2795, 3.9075

Protanomaly

12.0367, 10.9559, 4.7291

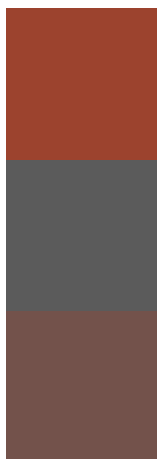
Deuteranomaly

12.9691, 11.1145, 3.7473

Tritanomaly

16.6105, 11.2749, 5.5758

Monochromacy



Original Color

16.2106, 11.2795, 3.9075

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 16.2106, 11.2795, 3.9075 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, 46)` looks like.

```
.text, #text, p{  
    color:rgb(156, 67, 46)  
}
```

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, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 67, 46) }
```

Border

The CSS property to change the border of an element to XYZ 16.2106, 11.2795, 3.9075 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, 46) }
```


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

```
.border{ border-color:rgb(156, 67, 46) }
```

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, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 67, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 67, 46);  
box-shadow:4px 4px 4px 4px rgb(156, 67,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2106, 11.2795, 3.9075 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, 46) }
```

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

```
.background{ background-color: rgb(156, 67,  
46) }
```

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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