

Converting Colors

XYZ(16.4313, 11.1158, 3.8541)

Have a look what the booklet for
XYZ(16.4313, 11.1158, 3.8541)
contains.

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Color

**XYZ(16.4271, 11.1331,
3.8679)**

Conversions

Conversions Part 1

Format	Color
Hex	9E402E
RGB	158, 64, 46
RGB Percent	62%, 25%, 18%
CMY	0.3804, 0.7490, 0.8196
CMYK	0.00, 0.59, 0.71, 0.38
HSL	10°, 55%, 40%
HSV	10°, 71%, 62%
XYZ	16.4271, 11.1331, 3.8679
YIQ	90.0540, 61.8020, 14.3300

Conversions

Conversions Part 2

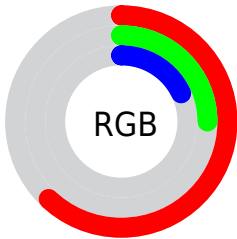
Format	Color
RYB	158, 67, 46
Decimal	10371118
CIELab	39.80, 37.98, 30.47
CIElCh	40, 48.689, 38.737
Yxy	11.1331, 0.5227, 0.3542
Android (android.graphics.Color)	4288561198 (0xFF9E402E)
YUV	90.0540, -21.7186, 59.5886
Hunter-Lab	33.3663, 29.4892, 16.4834

Details

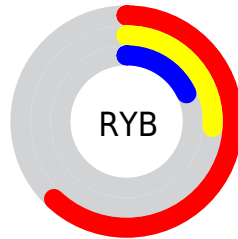
The XYZ color **16.4271, 11.1331, 3.8679** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **16.6757, 21.8044, 35.6774**, and the grayscale version is **9.7682, 10.2769, 11.1915**.

A 20% lighter version of the original color is **37.0200, 27.9572, 13.8010**, and **5.3532, 2.9047, 0.2785** is the 20% darker color. If you saturate the color by 10%, you get **15.5101, 9.7093, 2.2984**, and if you desaturate by 10%, it is **17.6370, 12.9597, 6.1007**.

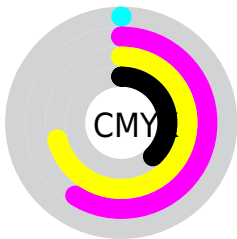
Distribution



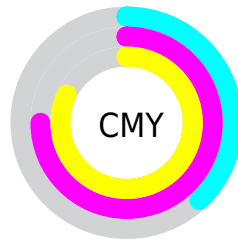
- Red (62%)
- Green (25%)
- Blue (18%)



- Red (62%)
- Yellow (26%)
- Blue (18%)



- Cyan (0%)
- Magenta (59%)
- Yellow (71%)
- Black (38%)





- Cyan (38%)
- Magenta (75%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.4271, 11.1331, 3.8679 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 16.4271, 11.1331, 3.8679 by changing the saturation by 10% instead.


 16.4271, 11.1331,
3.8679


 16.4271, 11.1331,
3.8679


225.0701,
198.5784, 146.7456


 9.9196, 6.1564,
1.5532


 36.8896, 27.9060,
13.7039


 5.4076, 2.9404,
0.2571

 51.5753, 40.4711,
22.0623


 2.5255, 1.1007,
0.0000

 69.7179, 56.3344,
33.2723

 0.9081, 0.0000,
0.0000

 91.6826, 75.8803,
47.7525

 0.0000, 0.0000,
0.0000

 117.8348, 99.4933,
65.9213

 148.5399,

127.5577, 88.1974

184.1632,
160.4580, 114.9993

■ 16.4271, 11.1331,
3.8679

■ 16.4271, 11.1331,
3.8679

■ 15.5101, 9.7093,
2.2984

■ 17.6370, 12.9597,
6.1007

■ 14.8593, 8.6554,
1.3174

■ 19.1620, 15.2147,
9.0597

■ 14.4567, 7.9815,
0.7786

■ 21.0228, 17.9240,
12.8009

■ 23.2383, 21.1107,
17.3748

■ 25.8256, 24.7965,
22.8274

■ 28.8010, 29.0014,
29.2016

■ 32.1798, 33.7448,
36.5373

■ 35.9763, 39.0447,
44.8721

■ 40.2042, 44.9184,
54.2417

Harmonies

Analogous

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



18.2885, 11.1331, 9.5359



16.4271, 11.1331, 3.8679



13.0872, 11.1331, 1.7883

Triad

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



16.4271, 11.1331, 3.8679



5.6518, 11.1331, 6.5981



11.5881, 11.1331, 40.9269

Complementary

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



16.4271, 11.1331, 3.8679



16.6757, 21.8044, 35.6774

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.



8.4182, 11.1331, 38.6325



16.4271, 11.1331, 3.8679



5.4163, 11.1331, 15.1381

Square

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



16.4271, 11.1331, 3.8679



7.0485, 11.1331, 2.6879



6.3191, 11.1331, 27.6696



15.1335, 11.1331, 32.8890

Rectangle

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



16.4271, 11.1331, 3.8679



10.7239, 11.1331, 1.4619



6.3191, 11.1331, 27.6696



10.4407, 11.1331, 41.3994

Sweetspot

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



16.4274, 11.1337, 3.8681



46.6354, 44.6560, 40.8939



19.9002, 11.1522, 26.3811



10.2268, 9.6597, 8.6110



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



16.4274, 11.1337, 3.8681



27.4282, 16.4486, 3.0244



21.1667, 20.6125, 5.4479



6.7149, 6.8099, 6.9462



11.5986, 6.4328, 0.6303



0.2286, 0.1575, 0.0183

Inverse Universe

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



16.6757, 21.8044, 35.6774



27.7576, 36.7451, 64.3730



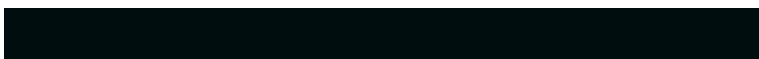
10.5626, 9.5781, 33.6397



6.7310, 7.3278, 8.4663



11.6406, 15.3727, 28.2609



0.2303, 0.3191, 0.5127

Previews

White Background



This preview shows how the XYZ color 16.4271, 11.1331, 3.8679 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 16.4271, 11.1331, 3.8679 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 16.4271, 11.1331, 3.8679

Background



This preview shows how black text looks on a background with the XYZ color 16.4271, 11.1331, 3.8679.



This preview shows how white text looks on a background with the XYZ color 16.4271, 11.1331,

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

16.4271, 11.1331, 3.8679

Protanopia

10.3995, 11.3535, 5.3847

Deuteranopia

11.3925, 11.2543, 3.6697



Tritanopia

16.9210, 11.0901, 6.2498

Trichromacy



Original Color

16.4271, 11.1331, 3.8679

Protanomaly

11.9585, 10.7995, 4.7030

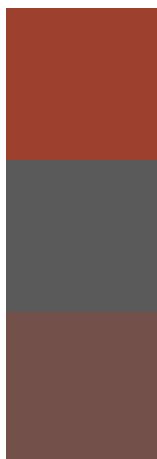
Deuteranomaly

12.8942, 10.9648, 3.7223

Tritanomaly

16.7844, 11.1217, 5.2650

Monochromacy



Original Color

16.4271, 11.1331, 3.8679

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

11.2487, 10.0241, 7.8205

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4271, 11.1331, 3.8679 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(158, 64, 46)` looks like.

```
.text, #text, p{  
    color:rgb(158, 64, 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(158, 64, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 64, 46) }
```

Border

The CSS property to change the border of an element to XYZ 16.4271, 11.1331, 3.8679 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(158, 64, 46) }
```


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

```
.border{ border-color:rgb(158, 64, 46) }
```

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

Here you see how a box with a 4 pixel rgb(158, 64, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 64, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 64, 46);  
box-shadow:4px 4px 4px 4px rgb(158, 64,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4271, 11.1331, 3.8679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 64, 46) }
```

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

```
.background{ background-color: rgb(158, 64,  
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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