

Converting Colors

XYZ(16.2343, 11.0231, 3.7064)

Have a look what the booklet for
XYZ(16.2343, 11.0231, 3.7064)
contains.

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Color

**XYZ(16.2117, 11.0244,
3.7561)**

Conversions

Conversions Part 1

Format	Color
Hex	9D402D
RGB	157, 64, 45
RGB Percent	62%, 25%, 18%
CMY	0.3843, 0.7490, 0.8235
CMYK	0.00, 0.59, 0.71, 0.38
HSL	10°, 55%, 40%
HSV	10°, 71%, 62%
XYZ	16.2117, 11.0244, 3.7561
YIQ	89.6410, 61.5270, 13.8070

Conversions

Conversions Part 2

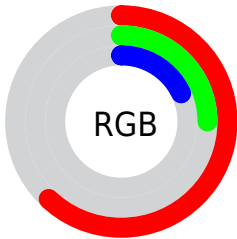
Format	Color
RYB	157, 68, 45
Decimal	10305581
CIELab	39.62, 37.54, 30.79
CIELCh	40, 48.555, 39.360
Yxy	11.0244, 0.5231, 0.3557
Android (android.graphics.Color)	4288495661 (0xFF9D402D)
YUV	89.6410, -22.0080, 59.0738
Hunter-Lab	33.2030, 29.0491, 16.5349

Details

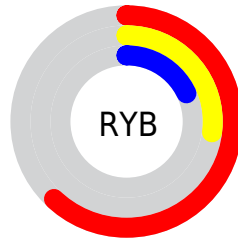
The XYZ color **16.2117, 11.0244, 3.7561** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **16.2556, 21.1675, 35.1270**, and the grayscale version is **9.6763, 10.1803, 11.0863**.

A 20% lighter version of the original color is **36.6778, 27.7859, 13.5553**, and **5.3641, 2.9264, 0.2821** is the 20% darker color. If you saturate the color by 10%, you get **15.3126, 9.6233, 2.2324**, and if you desaturate by 10%, it is **17.3956, 12.8154, 5.9295**.

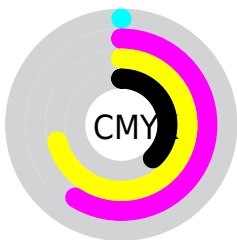
Distribution



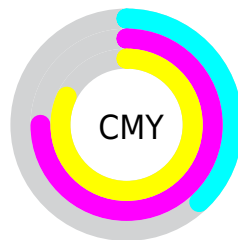
- Red (62%)
- Green (25%)
- Blue (18%)



- Red (62%)
- Yellow (27%)
- 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 16.2117, 11.0244, 3.7561 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 16.2117, 11.0244, 3.7561 by changing the saturation by 10% instead.


 16.2117, 11.0244,
3.7561

 16.2117, 11.0244,
3.7561


223.8336,
197.8349, 145.4746


 9.7659, 6.0833,
1.4925


 36.5198, 27.7053,
13.4432


 5.3051, 2.8958,
0.2123

 51.1128, 40.2138,
21.7039


 2.4639, 1.0776,
0.0000

 69.1523, 56.0136,
32.8006

 0.8771, 0.0000,
0.0000

 91.0035, 75.4890,
47.1519

 0.0000, 0.0000,
0.0000

 117.0319, 99.0244,
65.1765

 147.6028,

127.0043, 87.2927

183.0816,
159.8130, 113.9193

■ 16.2117, 11.0244,
3.7561

■ 16.2117, 11.0244,
3.7561

■ 15.3126, 9.6233,
2.2324

■ 17.3956, 12.8154,
5.9295

■ 14.6721, 8.5807,
1.2843

■ 18.8858, 15.0209,
8.8147

■ 14.2883, 7.9356,
0.7786

■ 20.7023, 17.6656,
12.4670

■ 22.8633, 20.7718,
16.9361

■ 25.3858, 24.3600,
22.2676

■ 28.2853, 28.4498,
28.5036

■ 31.5767, 33.0595,
35.6834

■ 35.2739, 38.2065,
43.8442

■ 39.3901, 43.9074,
53.0209

Harmonies

Analogous

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



18.0988, 11.0244, 9.2759



16.2117, 11.0244, 3.7561



12.8865, 11.0244, 1.7488

Triad

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



16.2117, 11.0244, 3.7561



5.5784, 11.0244, 6.6555



11.5482, 11.0244, 40.4777

Complementary

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



16.2117, 11.0244, 3.7561



16.2556, 21.1675, 35.1270

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.



8.3906, 11.0244, 38.4275



16.2117, 11.0244, 3.7561



5.3684, 11.0244, 15.2199

Square

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



16.2117, 11.0244, 3.7561



6.9372, 11.0244, 2.7050



6.2866, 11.0244, 27.6770



15.0566, 11.0244, 32.3396

Rectangle

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



16.2117, 11.0244, 3.7561



10.5496, 11.0244, 1.4446



6.2866, 11.0244, 27.6770



10.4074, 11.0244, 41.0234

Sweetspot

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



16.2120, 11.0250, 3.7563



45.4311, 43.5804, 39.8096



19.4546, 10.8895, 25.2479



9.7311, 9.2128, 8.1943



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.



16.2120, 11.0250, 3.7563



26.6480, 15.9835, 2.8147



21.0546, 20.7104, 5.3705



6.7195, 6.8191, 6.9477



11.6245, 6.4847, 0.6390



0.2301, 0.1605, 0.0188

Inverse Universe

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



16.2556, 21.1675, 35.1270



26.5738, 34.9752, 62.4770



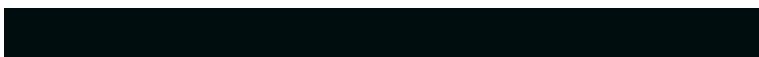
10.2105, 9.0773, 33.1120



6.7260, 7.3178, 8.4647



11.4883, 15.0681, 28.2102



0.2285, 0.3157, 0.5121

Previews

White Background



This preview shows how the XYZ color 16.2117, 11.0244, 3.7561 looks on a white background.

Color Contrast Check

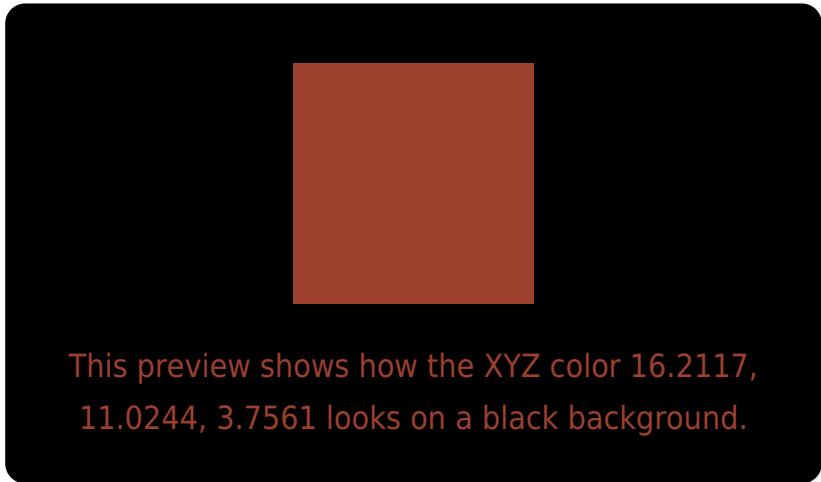
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2117, 11.0244, 3.7561

Background



This preview shows how black text looks on a background with the XYZ color 16.2117, 11.0244, 3.7561.



This preview shows how white text looks on a background with the XYZ color 16.2117, 11.0244,

3.7561.

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

16.2117, 11.0244, 3.7561

Protanopia

10.2858, 11.1648, 5.2273

Deuteranopia

11.3753, 11.2474, 3.5789



Tritanopia

16.7234, 10.9882, 6.2405

Trichromacy



Original Color

16.2117, 11.0244, 3.7561

Protanomaly

11.8592, 10.6365, 4.5600

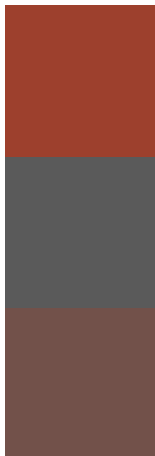
Deuteranomaly

12.8761, 10.9576, 3.6269

Tritanomaly

16.5869, 11.0198, 5.2558

Monochromacy



Original Color

16.2117, 11.0244, 3.7561

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

11.1179, 9.9567, 7.8144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2117, 11.0244, 3.7561 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(157, 64, 45)` looks like.

```
.text, #text, p{  
    color:rgb(157, 64, 45)  
}
```

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(157, 64, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 64, 45) }
```

Border

The CSS property to change the border of an element to XYZ 16.2117, 11.0244, 3.7561 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(157, 64, 45) }
```


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

```
.border{ border-color:rgb(157, 64, 45) }
```

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

Here you see how a box with a 4 pixel rgb(157, 64, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 64, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 64, 45);  
box-shadow:4px 4px 4px 4px rgb(157, 64,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2117, 11.0244, 3.7561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 64, 45) }
```

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

```
.background{ background-color: rgb(157, 64,  
45) }
```

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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