

Converting Colors

XYZ(16.3450, 11.3335, 3.8284)

Have a look what the booklet for
XYZ(16.3450, 11.3335, 3.8284)
contains.

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Color

**XYZ(16.3854, 11.3719,
3.8140)**

Conversions

Conversions Part 1

Format	Color
Hex	9D432D
RGB	157, 67, 45
RGB Percent	62%, 26%, 18%
CMY	0.3843, 0.7372, 0.8235
CMYK	0.00, 0.57, 0.71, 0.38
HSL	12°, 55%, 40%
HSV	12°, 71%, 62%
XYZ	16.3854, 11.3719, 3.8140
YIQ	91.4020, 60.7020, 12.2380

Conversions

Conversions Part 2

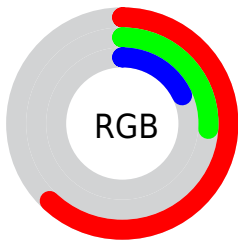
Format	Color
RYB	157, 72, 45
Decimal	10306349
CIELab	40.20, 36.04, 31.46
CIElCh	40, 47.834, 41.120
Yxy	11.3719, 0.5190, 0.3602
Android (android.graphics.Color)	4288496429 (0xFF9D432D)
YUV	91.4020, -22.8762, 57.5294
Hunter-Lab	33.7222, 27.7179, 16.8999

Details

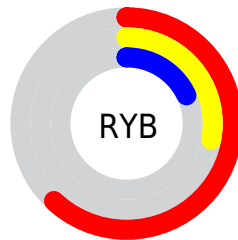
The XYZ color **16.3854, 11.3719, 3.8140** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **15.8311, 20.3184, 34.9854**, and the grayscale version is **10.0769, 10.6017, 11.5452**.

A 20% lighter version of the original color is **36.7291, 28.3285, 13.6573**, and **5.4264, 3.0510, 0.3029** is the 20% darker color. If you saturate the color by 10%, you get **15.4674, 9.9331, 2.2841**, and if you desaturate by 10%, it is **17.5797, 13.1838, 5.9909**.

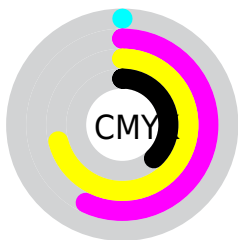
Distribution



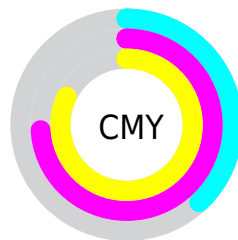
- Red (62%)
- Green (26%)
- Blue (18%)



- Red (62%)
- Yellow (28%)
- Blue (18%)



- Cyan (0%)
- Magenta (57%)
- Yellow (71%)
- Black (38%)





- Cyan (38%)
- Magenta (74%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.3854, 11.3719, 3.8140 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 16.3854, 11.3719, 3.8140 by changing the saturation by 10% instead.

 16.3854, 11.3719,
3.8140


 16.3854, 11.3719,
3.8140


224.8312,
200.2015, 146.1350


 9.8899, 6.3176,
1.5239


 36.8181, 28.3459,
13.5785


 5.3877, 3.0391,
0.2356

 51.4859, 41.0343,
21.8899


 2.5136, 1.1522,
0.0000

 69.6085, 57.0361,
33.0455

 0.9021, 0.0221,
0.0000

 91.5513, 76.7359,
47.4638

 0.0000, 0.0000,
0.0000

 117.6796,
100.5179, 65.5633

 148.3588,

128.7666, 87.7627

183.9542,
161.8663, 114.4804

■ 16.3854, 11.3719,
3.8140

■ 16.3854, 11.3719,
3.8140

■ 15.4674, 9.9331,
2.2841

■ 17.5797, 13.1838,
5.9909

■ 14.8011, 8.8387,
1.3273

■ 19.0706, 15.3908,
8.8763

■ 14.3905, 8.1400,
0.8127

■ 20.8771, 18.0155,
12.5252

■ 23.0165, 21.0782,
16.9871

■ 25.5046, 24.5978,
22.3071

■ 28.3564, 28.5921,
28.5272

■ 31.5859, 33.0781,
35.6863

■ 35.2064, 38.0717,
43.8215

■ 39.2304, 43.5881,
52.9674

Harmonies

Analogous

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



18.3874, 11.3719, 9.1715



16.3854, 11.3719, 3.8140



13.0158, 11.3719, 1.8738

Triad

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



16.3854, 11.3719, 3.8140



5.8116, 11.3719, 7.3456



12.0911, 11.3719, 40.4988

Complementary

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



16.3854, 11.3719, 3.8140



15.8311, 20.3184, 34.9854

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.



8.8663, 11.3719, 39.0998



16.3854, 11.3719, 3.8140



5.6646, 11.3719, 16.2661

Square

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



16.3854, 11.3719, 3.8140



7.1210, 11.3719, 3.0682



6.6670, 11.3719, 28.7804



15.5900, 11.3719, 31.9710

Rectangle

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



16.3854, 11.3719, 3.8140



10.6840, 11.3719, 1.6083



6.6670, 11.3719, 28.7804



10.9343, 11.3719, 41.2543

Sweetspot

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



16.3857, 11.3725, 3.8142



45.6446, 44.0074, 39.8808



19.3200, 10.8357, 24.5398



9.7819, 9.3145, 8.2113



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.



16.3857, 11.3725, 3.8142



26.8974, 16.4823, 2.8978



21.2805, 21.1621, 5.4458



6.7334, 6.8467, 6.9523



11.7097, 6.6550, 0.6674



0.2346, 0.1694, 0.0203

Inverse Universe

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



15.8311, 20.3184, 34.9854



25.6801, 33.1878, 62.1792



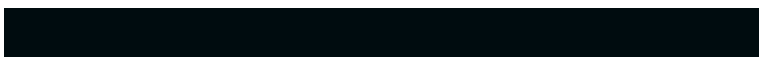
10.0709, 8.7981, 33.0653



6.7111, 7.2879, 8.4597



11.0442, 14.1800, 28.0621



0.2234, 0.3055, 0.5104

Previews

White Background



This preview shows how the XYZ color 16.3854, 11.3719, 3.8140 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 16.3854, 11.3719, 3.8140 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 16.3854, 11.3719, 3.8140

Background



This preview shows how black text looks on a background with the XYZ color 16.3854, 11.3719, 3.8140.



This preview shows how white text looks on a background with the XYZ color 16.3854, 11.3719,

3.8140.

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

16.3854, 11.3719, 3.8140

Protanopia

10.6744, 11.6353, 5.1733

Deuteranopia

11.7318, 11.5573, 3.6199



Tritanopia

16.9773, 11.3532, 6.7654

Trichromacy



Original Color

16.3854, 11.3719, 3.8140

Protanomaly

12.1582, 11.0211, 4.6184

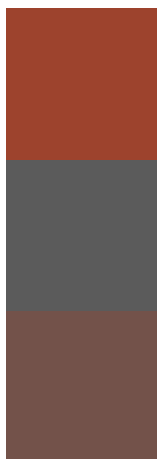
Deuteranomaly

13.1081, 11.1883, 3.6592

Tritanomaly

16.8065, 11.3759, 5.5849

Monochromacy



Original Color

16.3854, 11.3719, 3.8140

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

11.3236, 10.1738, 7.8455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3854, 11.3719, 3.8140 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, 67, 45)` looks like.

```
.text, #text, p{  
    color:rgb(157, 67, 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, 67, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 67, 45) }
```

Border

The CSS property to change the border of an element to XYZ 16.3854, 11.3719, 3.8140 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, 67, 45) }
```


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

```
.border{ border-color:rgb(157, 67, 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, 67, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 67, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 67, 45);  
box-shadow:4px 4px 4px 4px rgb(157, 67,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3854, 11.3719, 3.8140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 67, 45) }
```

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

```
.background{ background-color: rgb(157, 67,  
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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