

Converting Colors

XYZ(16.1977, 11.8645, 7.4150)

Have a look what the booklet for
XYZ(16.1977, 11.8645, 7.4150)
contains.

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Color

**XYZ(16.1638, 11.8365,
7.3940)**

Conversions

Conversions Part 1

Format	Color
Hex	964A47
RGB	150, 74, 71
RGB Percent	59%, 29%, 28%
CMY	0.4118, 0.7098, 0.7216
CMYK	0.00, 0.51, 0.53, 0.41
HSL	2°, 36%, 43%
HSV	2°, 53%, 59%
XYZ	16.1638, 11.8365, 7.3940
YIQ	96.3820, 46.2590, 15.1790

Conversions

Conversions Part 2

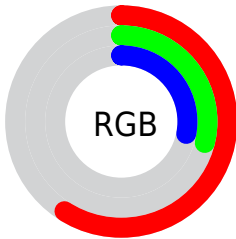
Format	Color
R_{YB}	150, 74, 71
Decimal	9849415
CIE Lab	40.96, 31.52, 16.60
CIE LCh	41, 35.625, 27.777
Yxy	11.8365, 0.4567, 0.3344
Android (android.graphics.Color)	4288039495 (0xFF964A47)
YUV	96.3820, -12.5133, 47.0230
Hunter-Lab	34.4042, 23.6556, 11.3406

Details

The XYZ color **16.1638, 11.8365, 7.3940** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **18.5367, 24.4079, 32.5883**, and the grayscale version is **11.2330, 11.8180, 12.8698**.

A 20% lighter version of the original color is **36.3955, 29.2645, 21.1831**, and **5.2983, 3.2555, 1.4477** is the 20% darker color. If you saturate the color by 10%, you get **14.8852, 9.9569, 4.8788**, and if you desaturate by 10%, it is **17.7829, 14.2069, 10.6092**.

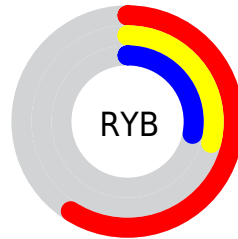
Distribution



Red (59%)

Green (29%)

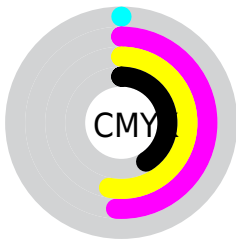
Blue (28%)



Red (59%)

Yellow (29%)

Blue (28%)

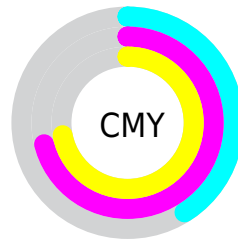


Cyan (0%)

Magenta (51%)

Yellow (53%)

Black (41%)



Cyan (41%)

Magenta (71%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1638, 11.8365, 7.3940 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 16.1638, 11.8365, 7.3940 by changing the saturation by 10% instead.

■ 16.1638, 11.8365,
7.3940

■ 16.1638, 11.8365,
7.3940

223.5578,
203.3199, 180.6518

■ 9.7317, 6.6324,
3.6275

■ 36.4375, 29.1970,
21.2878

■ 5.2823, 3.2333,
1.4233

■ 51.0098, 42.1222,
32.2522

■ 2.4503, 1.2547,
0.1598

■ 69.0263, 58.3899,
46.4530

■ 0.8703, 0.1057,
0.0000

■ 90.8522, 78.3845,
64.3087

■ 0.0000, 0.0000,
0.0000

■ 116.8529,
102.4904, 86.2379

147.3939,

131.0920, 112.6591

182.8404,
164.5737, 143.9909

■ 16.1638, 11.8365,
7.3940

■ 16.1638, 11.8365,
7.3940

■ 14.8852, 9.9569,
4.8788

■ 17.7829, 14.2069,
10.6092

■ 13.9218, 8.5320,
3.0110

■ 19.7634, 17.0970,
14.5705

■ 13.2467, 7.5238,
1.7314

■ 22.1256, 20.5361,
19.3209

■ 12.8276, 6.8873,
0.9699

■ 24.8882, 24.5503,
24.8999

■ 12.6396, 6.6078,
0.6093

■ 28.0685, 29.1643,
31.3443

■ 31.6828, 34.4013,
38.6888

■ 35.7465, 40.2833,
46.9661

■ 40.2745, 46.8312,
56.2072

■ 45.2806, 54.0649,
66.4420

Harmonies

Analogous

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



16.8883, 11.8365, 13.4398



16.1638, 11.8365, 7.3940



14.0691, 11.8365, 4.2910

Triad

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



16.1638, 11.8365, 7.3940



7.5947, 11.8365, 6.7621



11.0613, 11.8365, 32.5992

Complementary

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



16.1638, 11.8365, 7.3940



18.5367, 24.4079, 32.5883

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.



8.8355, 11.8365, 28.7687



16.1638, 11.8365, 7.3940



7.0316, 11.8365, 12.3514

Square

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



16.1638, 11.8365, 7.3940



9.1186, 11.8365, 4.0348



7.4494, 11.8365, 20.5922



13.6905, 11.8365, 29.7082

Rectangle

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



16.1638, 11.8365, 7.3940



12.3194, 11.8365, 3.4653



7.4494, 11.8365, 20.5922



10.2448, 11.8365, 32.0318

Sweetspot

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



16.1641, 11.8371, 7.3942



42.0593, 40.6203, 40.1764



20.1262, 13.1087, 29.2243



9.1215, 8.7123, 8.5009



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.1641, 11.8371, 7.3942



25.9655, 17.1239, 8.0174



19.6351, 18.7791, 8.5512



5.8174, 5.8486, 6.0628



10.4885, 5.4914, 0.5071



0.1319, 0.0742, 0.0074

Inverse Universe

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



18.5367, 24.4079, 32.5883



30.5973, 41.7156, 57.3605



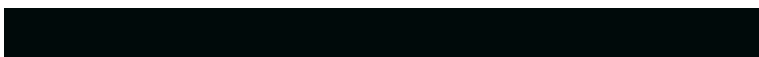
13.4522, 14.2387, 30.8935



5.9454, 6.5248, 7.4158



12.8801, 18.4551, 26.8144



0.1624, 0.2354, 0.3298

Previews

White Background



This preview shows how the XYZ color 16.1638, 11.8365, 7.3940 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 16.1638, 11.8365, 7.3940 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 16.1638, 11.8365, 7.3940

Background



This preview shows how black text looks on a background with the XYZ color 16.1638, 11.8365, 7.3940.



This preview shows how white text looks on a background with the XYZ color 16.1638, 11.8365,

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

16.1638, 11.8365, 7.3940

Protanopia

11.2394, 11.9683, 9.5023

Deuteranopia

12.1602, 11.9591, 7.1363



Tritanopia

16.3354, 11.7992, 8.6242

Trichromacy



Original Color

16.1638, 11.8365, 7.3940

Protanomaly

12.5197, 11.6025, 8.6008

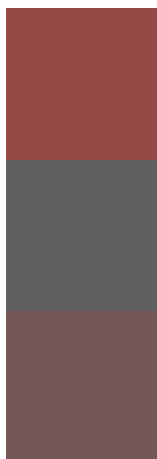
Deuteranomaly

13.3041, 11.6744, 7.1824

Tritanomaly

16.2302, 11.7571, 8.0705

Monochromacy



Original Color

16.1638, 11.8365, 7.3940

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

12.4125, 11.3806, 10.5593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1638, 11.8365, 7.3940 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(150, 74, 71)` looks like.

```
.text, #text, p{  
    color:rgb(150, 74, 71)  
}
```

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(150, 74, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 74, 71) }
```

Border

The CSS property to change the border of an element to XYZ 16.1638, 11.8365, 7.3940 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(150, 74, 71) }
```


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

```
.border{ border-color:rgb(150, 74, 71) }
```

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

Here you see how a box with a 4 pixel rgb(150, 74, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 74, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 74, 71);  
box-shadow:4px 4px 4px 4px rgb(150, 74,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1638, 11.8365, 7.3940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 74, 71) }
```

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

```
.background{ background-color: rgb(150, 74,  
71) }
```

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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