

Converting Colors

XYZ(16.8262, 11.6978, 4.6885)

Have a look what the booklet for
XYZ(16.8262, 11.6978, 4.6885)
contains.

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Color

**XYZ(16.8103, 11.6604,
4.7328)**

Conversions

Conversions Part 1

Format	Color
Hex	9E4435
RGB	158, 68, 53
RGB Percent	62%, 27%, 21%
CMY	0.3804, 0.7333, 0.7922
CMYK	0.00, 0.57, 0.66, 0.38
HSL	9°, 50%, 41%
HSV	9°, 66%, 62%
XYZ	16.8103, 11.6604, 4.7328
YIQ	93.2000, 58.4550, 14.4150

Conversions

Conversions Part 2

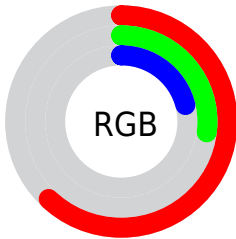
Format	Color
RYB	158, 71, 53
Decimal	10372149
CIELab	40.67, 36.39, 27.39
CIELCh	41, 45.544, 36.967
Yxy	11.6604, 0.5063, 0.3512
Android (android.graphics.Color)	4288562229 (0xFF9E4435)
YUV	93.2000, -19.8186, 56.8296
Hunter-Lab	34.1473, 28.1155, 15.6856

Details

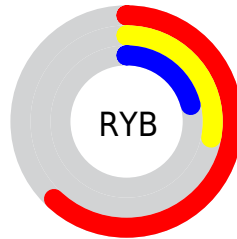
The XYZ color **16.8103, 11.6604, 4.7328** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **17.4614, 22.8688, 35.8414**, and the grayscale version is **10.4869, 11.0331, 12.0150**.

A 20% lighter version of the original color is **37.5123, 28.8655, 15.6511**, and **5.6014, 3.1570, 0.5726** is the 20% darker color. If you saturate the color by 10%, you get **15.7784, 10.0856, 2.8819**, and if you desaturate by 10%, it is **18.1518, 13.6629, 7.2783**.

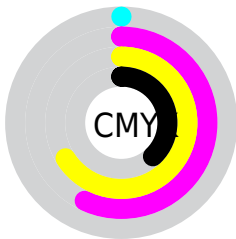
Distribution



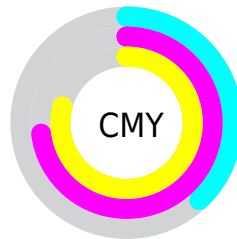
- Red (62%)
- Green (27%)
- Blue (21%)



- Red (62%)
- Yellow (28%)
- Blue (21%)



- Cyan (0%)
- Magenta (57%)
- Yellow (66%)
- Black (38%)





- Cyan (38%)
- Magenta (73%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.8103, 11.6604, 4.7328 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 16.8103, 11.6604, 4.7328 by changing the saturation by 10% instead.

 16.8103, 11.6604,
4.7328


 16.8103, 11.6604,
4.7328


227.2544,
202.1439, 156.0520


 10.1938, 6.5129,
2.0354


 37.5455, 28.8751,
15.6674


 5.5909, 3.1594,
0.5769

 52.3950, 41.7110,
24.7416

 2.6362, 1.2155,
0.0000

 70.7194, 57.8785,
36.7785

 0.9645, 0.0743,
0.0000

 92.8842, 77.7620,
52.1966

 0.0000, 0.0000,
0.0000

 119.2548,
101.7459, 71.4145

 150.1964,

130.2146, 94.8506

186.0745,
163.5525, 122.9237

■ 16.8103, 11.6604,
4.7328

■ 16.8103, 11.6604,
4.7328

■ 15.7784, 10.0856,
2.8819

■ 18.1518, 13.6629,
7.2783

■ 15.0298, 8.9052,
1.6558

■ 19.8246, 16.1192,
10.5778

■ 14.5319, 8.0827,
0.9550

■ 21.8496, 19.0558,
14.6850

■ 14.3986, 7.8653,
0.7593

■ 24.2454, 22.4965,
19.6485

■ 27.0296, 26.4634,
25.5132

■ 30.2183, 30.9774,
32.3207

■ 33.8270, 36.0584,
40.1100

■ 37.8702, 41.7249,
48.9181

■ 42.3618, 47.9949,
58.7797

Harmonies

Analogous

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



18.4453, 11.6604, 10.6621



16.8103, 11.6604, 4.7328



13.6895, 11.6604, 2.3641

Triad

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



16.8103, 11.6604, 4.7328



6.3008, 11.6604, 6.9397



11.8520, 11.6604, 39.7301

Complementary

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



16.8103, 11.6604, 4.7328



17.4614, 22.8688, 35.8414

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.



8.8300, 11.6604, 37.0455



16.8103, 11.6604, 4.7328



5.9981, 11.6604, 14.9739

Square

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



16.8103, 11.6604, 4.7328



7.7573, 11.6604, 3.1382



6.8311, 11.6604, 26.6449



15.2444, 11.6604, 32.8197

Rectangle

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



16.8103, 11.6604, 4.7328



11.4141, 11.6604, 1.9391



6.8311, 11.6604, 26.6449



10.7581, 11.6604, 39.9578

Sweetspot

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



16.8106, 11.6610, 4.7330



47.0100, 45.1061, 41.9406



20.4076, 11.8289, 27.5931



10.2976, 9.7405, 8.8222



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.



16.8106, 11.6610, 4.7330



27.8982, 17.1348, 3.9633



21.3996, 20.8391, 6.2627



6.7058, 6.7915, 6.9431



11.5505, 6.3366, 0.6143



0.2257, 0.1516, 0.0174

Inverse Universe

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



17.4614, 22.8688, 35.8414



29.0547, 38.8014, 64.7015



11.4237, 10.7935, 33.8289



6.7410, 7.3478, 8.4697



11.9506, 15.9928, 28.3643



0.2338, 0.3261, 0.5139

Previews

White Background



This preview shows how the XYZ color 16.8103, 11.6604, 4.7328 looks on a white background.

Color Contrast Check

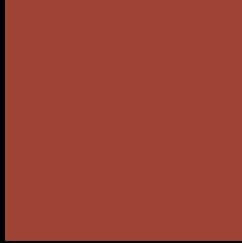
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8103, 11.6604, 4.7328 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 16.8103, 11.6604, 4.7328

Background



This preview shows how black text looks on a background with the XYZ color 16.8103, 11.6604, 4.7328.



This preview shows how white text looks on a background with the XYZ color 16.8103, 11.6604,

4.7328.

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

16.8103, 11.6604, 4.7328

Protanopia

10.9976, 11.9115, 6.4221

Deuteranopia

11.9684, 11.7896, 4.4411



Tritanopia

17.3518, 11.7096, 7.1400

Trichromacy



Original Color

16.8103, 11.6604, 4.7328

Protanomaly

12.4294, 11.2564, 5.6553

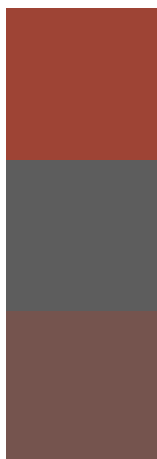
Deuteranomaly

13.3418, 11.4033, 4.5155

Tritanomaly

17.2306, 11.7554, 6.2114

Monochromacy



Original Color

16.8103, 11.6604, 4.7328

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

11.8816, 10.6726, 8.6415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8103, 11.6604, 4.7328 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, 68, 53)` looks like.

```
.text, #text, p{  
    color:rgb(158, 68, 53)  
}
```

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, 68, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 68, 53) }
```

Border

The CSS property to change the border of an element to XYZ 16.8103, 11.6604, 4.7328 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, 68, 53) }
```


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

```
.border{ border-color:rgb(158, 68, 53) }
```

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

Here you see how a box with a 4 pixel rgb(158, 68, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 68, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 68, 53);  
box-shadow:4px 4px 4px 4px rgb(158, 68,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8103, 11.6604, 4.7328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 68, 53) }
```

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

```
.background{ background-color: rgb(158, 68,  
53) }
```

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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