

Converting Colors

XYZ(16.2663, 11.1368, 6.7899)

Have a look what the booklet for
XYZ(16.2663, 11.1368, 6.7899)
contains.

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Color

**XYZ(16.3180, 11.1838,
6.7675)**

Conversions

Conversions Part 1

Format	Color
Hex	9A4244
RGB	154, 66, 68
RGB Percent	60%, 26%, 27%
CMY	0.3961, 0.7412, 0.7333
CMYK	0.00, 0.57, 0.56, 0.40
HSL	359°, 40%, 43%
HSV	359°, 57%, 60%
XYZ	16.3180, 11.1838, 6.7675
YIQ	92.5400, 51.8060, 19.2780

Conversions

Conversions Part 2

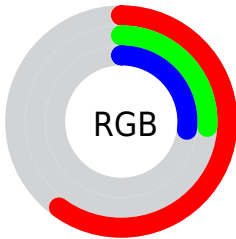
Format	Color
R_{YB}	154, 66, 68
Decimal	10109508
CIE _{Lab}	39.89, 37.00, 17.14
CIE _{LCh}	40, 40.772, 24.853
Yxy	11.1838, 0.4762, 0.3264
Android (android.graphics.Color)	4288299588 (0xFF9A4244)
YUV	92.5400, -12.0982, 53.9004
Hunter-Lab	33.4422, 28.5746, 11.4114

Details

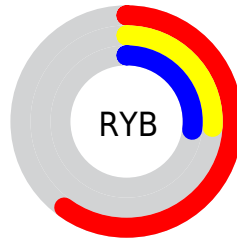
The XYZ color **16.3180, 11.1838, 6.7675** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **19.4705, 26.5366, 33.8035**, and the grayscale version is **10.3166, 10.8539, 11.8199**.

A 20% lighter version of the original color is **36.6651, 27.9806, 19.9913**, and **5.3564, 2.9547, 1.2077** is the 20% darker color. If you saturate the color by 10%, you get **15.1344, 9.4599, 4.3904**, and if you desaturate by 10%, it is **17.8623, 13.4406, 9.8469**.

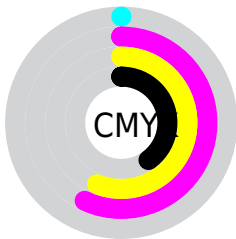
Distribution



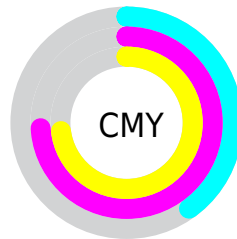
- Red (60%)
- Green (26%)
- Blue (27%)



- Red (60%)
- Yellow (26%)
- Blue (27%)



- Cyan (0%)
- Magenta (57%)
- Yellow (56%)
- Black (40%)





- Cyan (40%)
- Magenta (74%)
- Yellow (73%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3180, 11.1838, 6.7675 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 16.3180, 11.1838, 6.7675 by changing the saturation by 10% instead.


 16.3180, 11.1838,
6.7675


 16.3180, 11.1838,
6.7675


224.4446,
198.9242, 175.2746


 9.8417, 6.1906,
3.2409


 36.7024, 27.9995,
20.0088


 5.3556, 2.9613,
1.2189

 51.3412, 40.5909,
30.5605


 2.4943, 1.1116,
0.0000

 69.4316, 56.4837,
44.2911

 0.8924, 0.0000,
0.0000

 91.3390, 76.0624,
61.6189

 0.0000, 0.0000,
0.0000

 117.4286, 99.7115,
82.9627

148.0658,

127.8152, 108.7408

183.6160,
160.7580, 139.3719

■ 16.3180, 11.1838,
6.7675

■ 16.3180, 11.1838,
6.7675

■ 15.1344, 9.4599,
4.3904

■ 17.8623, 13.4406,
9.8469

■ 14.2817, 8.2235,
2.6598

■ 19.7925, 16.2672,
13.6773

■ 13.7262, 7.4247,
1.5123

■ 22.1324, 19.6994,
18.3038

■ 13.4169, 6.9827,
0.8646

■ 24.9038, 23.7694,
23.7678

■ 13.3455, 6.8776,
0.7244

■ 28.1268, 28.5073,
30.1078

■ 31.8203, 33.9413,
37.3599

■ 36.0021, 40.0977,
45.5581

■ 40.6891, 47.0019,
54.7349

■ 45.8974, 54.6775,
64.9209

Harmonies

Analogous

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



16.9625, 11.1838, 13.6174



16.3180, 11.1838, 6.7675



14.0496, 11.1838, 3.4066

Triad

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



16.3180, 11.1838, 6.7675



6.7992, 11.1838, 5.2702



10.1529, 11.1838, 34.9717

Complementary

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



16.3180, 11.1838, 6.7675



19.4705, 26.5366, 33.8035

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.



7.8156, 11.1838, 29.6937



16.3180, 11.1838, 6.7675



6.1095, 11.1838, 10.8424

Square

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



16.3180, 11.1838, 6.7675



8.5190, 11.1838, 2.8472



6.4460, 11.1838, 19.8976



13.0635, 11.1838, 32.2777

Rectangle

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



16.3180, 11.1838, 6.7675



12.1035, 11.1838, 2.5210



6.4460, 11.1838, 19.8976



9.2810, 11.1838, 34.0213

Sweetspot

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



16.3183, 11.1844, 6.7677



45.1306, 43.0184, 42.9608



20.5560, 12.8158, 31.9619



9.9921, 9.4094, 9.2847



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.



16.3183, 11.1844, 6.7677



26.9274, 16.3630, 6.8320



19.5748, 17.7932, 7.5578



6.2142, 6.2248, 6.5080



10.8748, 5.6042, 0.5999



0.1639, 0.0843, 0.0159

Inverse Universe

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



16.3183, 11.1844, 6.7677



26.9274, 16.3630, 6.8320



13.9778, 15.2874, 32.7857



6.2142, 6.2248, 6.5080



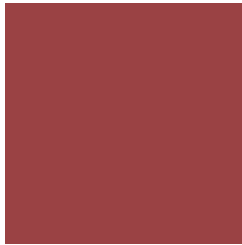
10.8748, 5.6042, 0.5999



0.1639, 0.0843, 0.0159

Previews

White Background



This preview shows how the XYZ color 16.3180, 11.1838, 6.7675 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 16.3180, 11.1838, 6.7675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

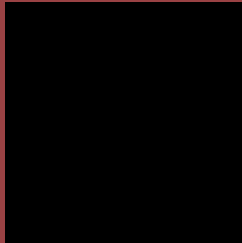
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.3180, 11.1838, 6.7675

Background



This preview shows how black text looks on a background with the XYZ color 16.3180, 11.1838, 6.7675.



This preview shows how white text looks on a background with the XYZ color 16.3180, 11.1838,

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

16.3180, 11.1838, 6.7675

Protanopia

10.7434, 11.3088, 9.4012

Deuteranopia

11.4766, 11.3630, 6.4389



Tritanopia

16.3801, 11.2087, 7.0945

Trichromacy



Original Color

16.3180, 11.1838, 6.7675

Protanomaly

12.2206, 10.8555, 8.2887

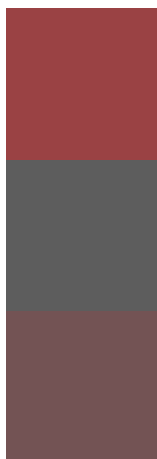
Deuteranomaly

12.8735, 11.0054, 6.4468

Tritanomaly

16.3488, 11.1961, 6.9296

Monochromacy



Original Color

16.3180, 11.1838, 6.7675

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

11.7637, 10.4714, 9.7887

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3180, 11.1838, 6.7675 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(154, 66, 68)` looks like.

```
.text, #text, p{  
    color:rgb(154, 66, 68)  
}
```

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(154, 66, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 66, 68) }
```

Border

The CSS property to change the border of an element to XYZ 16.3180, 11.1838, 6.7675 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(154, 66, 68) }
```


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

```
.border{ border-color:rgb(154, 66, 68) }
```

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

Here you see how a box with a 4 pixel rgb(154, 66, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 66, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 66, 68);  
box-shadow:4px 4px 4px 4px rgb(154, 66,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3180, 11.1838, 6.7675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 66, 68) }
```

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

```
.background{ background-color: rgb(154, 66,  
68) }
```

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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