

Converting Colors

XYZ(16.0627, 9.7206, 6.8718)

Have a look what the booklet for
XYZ(16.0627, 9.7206, 6.8718)
contains.

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Color

**XYZ(16.0671, 9.7242,
6.8245)**

Conversions

Conversions Part 1

Format	Color
Hex	9D3046
RGB	157, 48, 70
RGB Percent	62%, 19%, 27%
CMY	0.3843, 0.8117, 0.7255
CMYK	0.00, 0.69, 0.55, 0.38
HSL	348°, 53%, 40%
HSV	348°, 69%, 62%
XYZ	16.0671, 9.7242, 6.8245
YIQ	83.0990, 57.9020, 29.9500

Conversions

Conversions Part 2

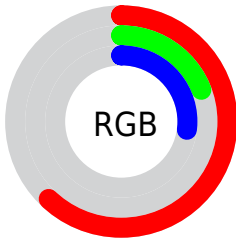
Format	Color
R _Y B	157, 48, 70
Decimal	10301510
CIE Lab	37.34, 46.54, 12.53
CIE LCh	37, 48.193, 15.064
Yxy	9.7242, 0.4926, 0.2981
Android (android.graphics.Color)	4288491590 (0xFF9D3046)
YUV	83.0990, -6.4578, 64.8112
Hunter-Lab	31.1836, 37.3992, 8.8530

Details

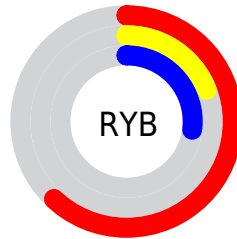
The XYZ color **16.0671, 9.7242, 6.8245** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **17.6498, 26.4919, 27.1071**, and the grayscale version is **8.2471, 8.6766, 9.4488**.

A 20% lighter version of the original color is **36.2426, 25.2143, 20.0962**, and **5.4534, 2.7885, 1.2877** is the 20% darker color. If you saturate the color by 10%, you get **15.1797, 8.5178, 4.7765**, and if you desaturate by 10%, it is **17.2648, 11.4192, 9.3835**.

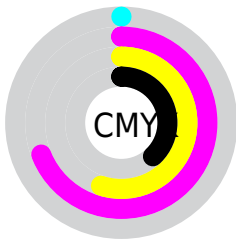
Distribution



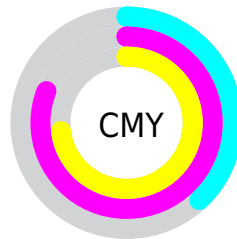
- Red (62%)
- Green (19%)
- Blue (27%)



- Red (62%)
- Yellow (19%)
- Blue (27%)



- Cyan (0%)
- Magenta (69%)
- Yellow (55%)
- Black (38%)




- Cyan (38%)
- Magenta (81%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.0671, 9.7242, 6.8245 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 16.0671, 9.7242, 6.8245 by changing the saturation by 10% instead.


 16.0671, 9.7242,
6.8245


 16.0671, 9.7242,
6.8245


222.9999,
188.6922, 175.7726


 9.6628, 5.2165,
3.2758


 36.2712, 25.2754,
20.1261


 5.2365, 2.3748,
1.2371

 50.8016, 37.0878,
30.7161


 2.4229, 0.8129,
0.0094

 68.7715, 52.1037,
44.4902

 0.8565, 0.0000,
0.0000

 90.5462, 70.7077,
61.8671

 0.0000, 0.0000,
0.0000

 116.4910, 93.2842,
83.2652

 146.9714,

120.2175, 109.1032

182.3526,
151.8920, 139.7994

■ 16.0671, 9.7242,
6.8245

■ 16.0671, 9.7242,
6.8245

■ 15.1797, 8.5178,
4.7765

■ 17.2648, 11.4192,
9.3835

■ 14.5714, 7.7459,
3.2033

■ 18.7985, 13.6463,
12.4850

■ 14.1807, 7.2943,
2.0561

■ 20.6918, 16.4459,
16.1587

■ 14.1610, 7.2706,
2.0009

■ 22.9659, 19.8540,
20.4318

■ 25.6406, 23.9038,
25.3298

■ 28.7340, 28.6259,
30.8766

■ 32.2633, 34.0491,
37.0949

■ 36.2447, 40.2004,
44.0063

■ 40.6934, 47.1054,
51.6313

Harmonies

Analogous

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



16.0720, 9.7242, 15.4834



16.0671, 9.7242, 6.8245



13.9852, 9.7242, 2.6357

Triad

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



16.0671, 9.7242, 6.8245



5.7087, 9.7242, 2.6461



7.8241, 9.7242, 36.1866

Complementary

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



16.0671, 9.7242, 6.8245



17.6498, 26.4919, 27.1071

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.



5.7154, 9.7242, 27.2816



16.0671, 9.7242, 6.8245



4.6876, 9.7242, 6.8514

Square

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



16.0671, 9.7242, 6.8245



7.8129, 9.7242, 1.2765



4.6898, 9.7242, 15.5298



10.8368, 9.7242, 36.1648

Rectangle

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



16.0671, 9.7242, 6.8245



11.9157, 9.7242, 1.5308



4.6898, 9.7242, 15.5298



7.0025, 9.7242, 33.9882

Sweetspot

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



16.0673, 9.7247, 6.8247



44.9119, 41.2780, 43.5337



16.8767, 9.5667, 32.8553



9.6081, 8.6666, 9.0786



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.



16.0673, 9.7247, 6.8247



26.5629, 14.4485, 6.9942



17.2262, 12.9574, 4.3901



6.6851, 6.6670, 7.1928



11.5126, 5.9096, 1.6844



0.2188, 0.1109, 0.0985

Inverse Universe

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



16.0673, 9.7247, 6.8247



26.5629, 14.4485, 6.9942



14.7811, 18.0149, 34.5964



6.6851, 6.6670, 7.1928



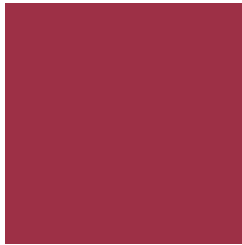
11.5126, 5.9096, 1.6844



0.2188, 0.1109, 0.0985

Previews

White Background



This preview shows how the XYZ color 16.0671, 9.7242, 6.8245 looks on a white background.

Color Contrast Check

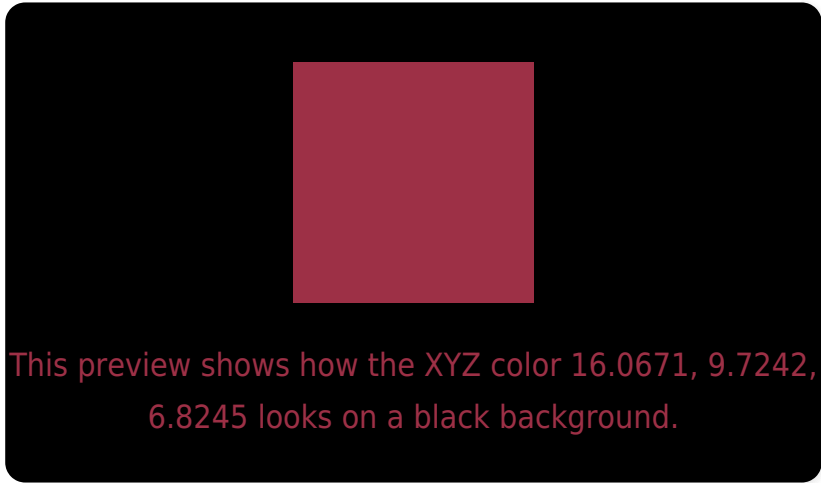
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 16.0671, 9.7242, 6.8245

Background



This preview shows how black text looks on a background with the XYZ color 16.0671, 9.7242, 6.8245.



This preview shows how white text looks on a background with the XYZ color 16.0671, 9.7242,

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

16.0671, 9.7242, 6.8245

Protanopia

9.5516, 9.8913, 11.0786

Deuteranopia

10.0283, 9.8819, 6.3799



Tritanopia

15.5600, 9.7019, 4.5426

Trichromacy



Original Color

16.0671, 9.7242, 6.8245

Protanomaly

10.8833, 8.9670, 9.3408

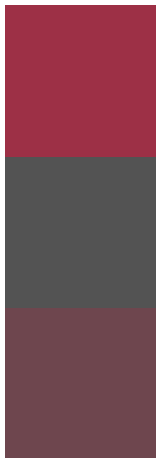
Deuteranomaly

11.6427, 9.3251, 6.4965

Tritanomaly

15.6665, 9.6754, 5.3168

Monochromacy



Original Color

16.0671, 9.7242, 6.8245

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

9.9957, 8.2454, 8.2724

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0671, 9.7242, 6.8245 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, 48, 70)` looks like.

```
.text, #text, p{  
    color:rgb(157, 48, 70)  
}
```

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, 48, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 48, 70) }
```

Border

The CSS property to change the border of an element to XYZ 16.0671, 9.7242, 6.8245 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, 48, 70) }
```


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

```
.border{ border-color:rgb(157, 48, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 48, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 48, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 48, 70);  
box-shadow:4px 4px 4px 4px rgb(157, 48,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0671, 9.7242, 6.8245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 48, 70) }
```

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

```
.background{ background-color: rgb(157, 48,  
70) }
```

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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