

Converting Colors

XYZ(16.9715, 12.4852, 6.0728)

Have a look what the booklet for
XYZ(16.9715, 12.4852, 6.0728)
contains.

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Color

**XYZ(16.9715, 12.4852,
6.0728)**

Conversions

Conversions Part 1

Format	Color
Hex	9B4C3E
RGB	155, 76, 62
RGB Percent	61%, 30%, 24%
CMY	0.3922, 0.7019, 0.7569
CMYK	0.00, 0.51, 0.60, 0.39
HSL	9°, 43%, 43%
HSV	9°, 60%, 61%
XYZ	16.9715, 12.4852, 6.0728
YIQ	98.0250, 51.5780, 12.3940

Conversions

Conversions Part 2

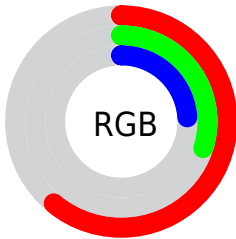
Format	Color
RYB	155, 78, 62
Decimal	10177598
CIELab	41.98, 31.65, 23.55
CIELCh	42, 39.452, 36.644
Yxy	12.4852, 0.4777, 0.3514
Android (android.graphics.Color)	4288367678 (0xFF9B4C3E)
YUV	98.0250, -17.7603, 49.9671
Hunter-Lab	35.3344, 23.9003, 14.5441

Details

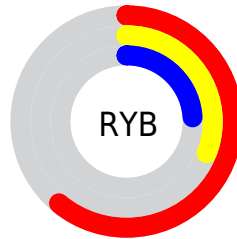
The XYZ color **16.9715, 12.4852, 6.0728** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **17.4273, 22.4392, 34.4229**, and the grayscale version is **11.6498, 12.2565, 13.3473**.

A 20% lighter version of the original color is **37.8444, 30.4507, 18.6348**, and **5.6784, 3.5302, 0.9982** is the 20% darker color. If you saturate the color by 10%, you get **15.7892, 10.7069, 3.8713**, and if you desaturate by 10%, it is **18.4614, 14.6846, 8.9756**.

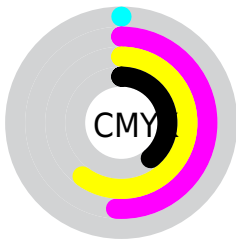
Distribution



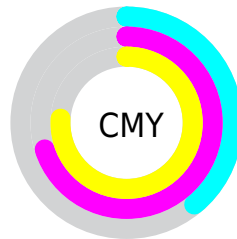
- Red (61%)
- Green (30%)
- Blue (24%)



- Red (61%)
- Yellow (31%)
- Blue (24%)



- Cyan (0%)
- Magenta (51%)
- Yellow (60%)
- Black (39%)





- Cyan (39%)
- Magenta (70%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9715, 12.4852, 6.0728 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 16.9715, 12.4852, 6.0728 by changing the saturation by 10% instead.


 16.9715, 12.4852,
6.0728


 16.9715, 12.4852,
6.0728


228.1675,
207.5915, 169.0477


 10.3094, 7.0750,
2.8199


 37.8208, 30.3758,
18.5621


 5.6684, 3.5091,
1.0034

 52.7386, 43.6250,
28.6355

 2.6832, 1.4029,
0.0000

 71.1390, 60.2559,
41.8196

 0.9886, 0.2189,
0.0000

 93.3874, 80.6531,
58.5328

 0.0000, 0.0000,
0.0000

 119.8491,
105.2008, 79.1937

 150.8894,

134.2836, 104.2207

186.8738,
168.2856, 134.0326

■ 16.9715, 12.4852,
6.0728

■ 16.9715, 12.4852,
6.0728

■ 15.7892, 10.7069,
3.8713

■ 18.4614, 14.6846,
8.9756

■ 14.8915, 9.3208,
2.3106

■ 20.2778, 17.3279,
12.6319

■ 14.2537, 8.2971,
1.3211

■ 22.4392, 20.4383,
17.0898

■ 13.8307, 7.5950,
0.7370

■ 24.9623, 24.0371,
22.3929

■ 13.8307, 7.5949,
0.7370

■ 27.8628, 28.1441,
28.5821

■ 31.1554, 32.7779,
35.6953

■ 34.8540, 37.9565,
43.7682

■ 38.9720, 43.6968,
52.8349

■ 43.5220, 50.0149,
62.9275

Harmonies

Analogous

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



18.3704, 12.4852, 11.8156



16.9715, 12.4852, 6.0728



14.2372, 12.4852, 3.5248

Triad

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



16.9715, 12.4852, 6.0728



7.4188, 12.4852, 8.1596



12.5291, 12.4852, 36.6684

Complementary

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



16.9715, 12.4852, 6.0728



17.4273, 22.4392, 34.4229

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.



9.7753, 12.4852, 34.3720



16.9715, 12.4852, 6.0728



7.1140, 12.4852, 15.5430

Square

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



16.9715, 12.4852, 6.0728



8.8186, 12.4852, 4.3376



7.9045, 12.4852, 25.6416



15.5472, 12.4852, 31.0301

Rectangle

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



16.9715, 12.4852, 6.0728



12.1988, 12.4852, 3.0254



7.9045, 12.4852, 25.6416



11.5409, 12.4852, 36.8247

Sweetspot

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



16.9718, 12.4859, 6.0730



45.5140, 44.1969, 41.8196



20.0516, 12.3384, 26.5435



9.9998, 9.5747, 8.8255



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.



16.9718, 12.4859, 6.0730



27.6743, 18.2534, 5.8583



21.4020, 21.3462, 7.5497



6.2802, 6.3654, 6.5035



11.1278, 6.1379, 0.5982



0.1832, 0.1254, 0.0145

Inverse Universe

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



17.4273, 22.4392, 34.4229



28.4918, 37.5756, 61.2874



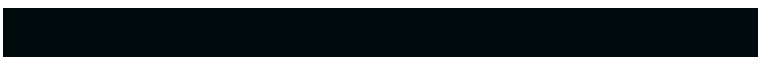
11.9548, 11.4943, 32.5988



6.3053, 6.8680, 7.9223



11.3645, 15.1257, 27.2283



0.1888, 0.2639, 0.4134

Previews

White Background



This preview shows how the XYZ color 16.9715, 12.4852, 6.0728 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 16.9715, 12.4852, 6.0728 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 16.9715, 12.4852, 6.0728

Background



This preview shows how black text looks on a background with the XYZ color 16.9715, 12.4852, 6.0728.



This preview shows how white text looks on a background with the XYZ color 16.9715, 12.4852,

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

16.9715, 12.4852, 6.0728

Protanopia

11.7579, 12.6951, 7.7919

Deuteranopia

12.7411, 12.5549, 5.7548



Tritanopia

17.5704, 12.5300, 8.8896

Trichromacy



Original Color

16.9715, 12.4852, 6.0728

Protanomaly

13.0967, 12.1846, 7.1304

Deuteranomaly

13.9520, 12.2818, 5.7729

Tritanomaly

17.4290, 12.5811, 7.8131

Monochromacy



Original Color

16.9715, 12.4852, 6.0728

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.9036, 11.8901, 10.2093

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9715, 12.4852, 6.0728 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(155, 76, 62)` looks like.

```
.text, #text, p{  
    color:rgb(155, 76, 62)  
}
```

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(155, 76, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 76, 62) }
```

Border

The CSS property to change the border of an element to XYZ 16.9715, 12.4852, 6.0728 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(155, 76, 62) }
```


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

```
.border{ border-color:rgb(155, 76, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 76, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 76, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 76, 62);  
box-shadow:4px 4px 4px 4px rgb(155, 76,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9715, 12.4852, 6.0728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 76, 62) }
```

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

```
.background{ background-color: rgb(155, 76,  
62) }
```

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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