

Converting Colors

XYZ(16.3659, 11.2698, 4.0020)

Have a look what the booklet for
XYZ(16.3659, 11.2698, 4.0020)
contains.

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Color

**XYZ(16.3659, 11.2698,
4.0020)**

Conversions

Conversions Part 1	
Format	Color
Hex	9D422F
RGB	157, 66, 47
RGB Percent	62%, 26%, 18%
CMY	0.3843, 0.7412, 0.8157
CMYK	0.00, 0.58, 0.70, 0.38
HSL	10°, 54%, 40%
HSV	10°, 70%, 62%
XYZ	16.3659, 11.2698, 4.0020
YIQ	91.0430, 60.3350, 13.3830

Conversions

Conversions Part 2

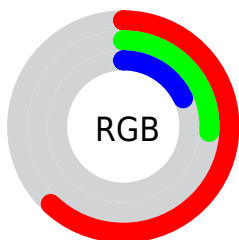
Format	Color
RYB	157, 70, 47
Decimal	10306095
CIELab	40.03, 36.65, 30.11
CIELCh	40, 47.433, 39.402
Yxy	11.2698, 0.5173, 0.3562
Android (android.graphics.Color)	4288496175 (0xFF9D422F)
YUV	91.0430, -21.7132, 57.8443
Hunter-Lab	33.5705, 28.2718, 16.4313

Details

The XYZ color **16.3659, 11.2698, 4.0020** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **16.3456, 21.2137, 35.1311**, and the grayscale version is **9.9924, 10.5128, 11.4484**.

A 20% lighter version of the original color is **36.7006, 28.1297, 14.0849**, and **5.4180, 3.0256, 0.3272** is the 20% darker color. If you saturate the color by 10%, you get **15.4298, 9.8165, 2.3987**, and if you desaturate by 10%, it is **17.5888, 13.1146, 6.2632**.

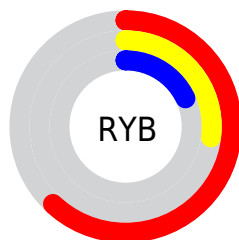
Distribution



Red (62%)

Green (26%)

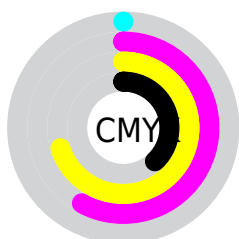
Blue (18%)



Red (62%)

Yellow (27%)

Blue (18%)

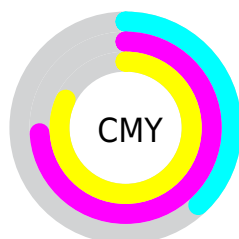


Cyan (0%)

Magenta (58%)

Yellow (70%)

Black (38%)



Cyan (38%)


Magenta (74%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.3659, 11.2698, 4.0020 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 16.3659, 11.2698, 4.0020 by changing the saturation by 10% instead.


 16.3659, 11.2698,
4.0020

 16.3659, 11.2698,
4.0020


224.7194,
199.5093, 148.2476


 9.8759, 6.2486,
1.6264


 36.7846, 28.1580,
14.0144


 5.3784, 2.9968,
0.3096

 51.4441, 40.7938,
22.4883


 2.5080, 1.1301,
0.0000

 69.5574, 56.7366,
33.8320

 0.8993, 0.0035,
0.0000

 91.4899, 76.3708,
48.4642

 0.0000, 0.0000,
0.0000

 117.6070,
100.0808, 66.8033

 148.2741,

128.2509, 89.2678

183.8564,
161.2656, 116.2764

■ 16.3659, 11.2698,
4.0020

■ 16.3659, 11.2698,
4.0020

■ 15.4298, 9.8165,
2.3987

■ 17.5888, 13.1146,
6.2632

■ 14.7549, 8.7240,
1.3809

■ 19.1195, 15.3748,
9.2431

■ 14.2993, 7.9577,
0.7823

■ 20.9777, 18.0746,
12.9964

■ 23.1813, 21.2358,
17.5720

■ 25.7468, 24.8787,
23.0150

■ 28.6897, 29.0223,
29.3672

■ 32.0247, 33.6848,
36.6675

■ 35.7654, 38.8833,
44.9526

■ 39.9251, 44.6341,
54.2575

Harmonies

Analogous

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



18.2224, 11.2698, 9.5487



16.3659, 11.2698, 4.0020



13.0889, 11.2698, 1.9364

Triad

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



16.3659, 11.2698, 4.0020



5.8234, 11.2698, 6.9472



11.7761, 11.2698, 40.1356

Complementary

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



16.3659, 11.2698, 4.0020



16.3456, 21.2137, 35.1311

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.



8.6411, 11.2698, 38.1580



16.3659, 11.2698, 4.0020



5.6137, 11.2698, 15.4668

Square

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



16.3659, 11.2698, 4.0020



7.1842, 11.2698, 2.9330



6.5375, 11.2698, 27.6914



15.2379, 11.2698, 32.2066

Rectangle

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



16.3659, 11.2698, 4.0020



10.7776, 11.2698, 1.6185



6.5375, 11.2698, 27.6914



10.6459, 11.2698, 40.6708

Sweetspot

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



16.3662, 11.2704, 4.0022



45.4556, 43.6295, 39.8178



19.5568, 11.0554, 25.4015



9.7369, 9.2245, 8.1963



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.



16.3662, 11.2704, 4.0022



26.9075, 16.4174, 3.1633



21.1742, 20.8864, 5.6049



6.7211, 6.8223, 6.9483



11.6338, 6.5032, 0.6421



0.2306, 0.1615, 0.0190

Inverse Universe

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



16.3456, 21.2137, 35.1311



26.7267, 35.1009, 62.4932



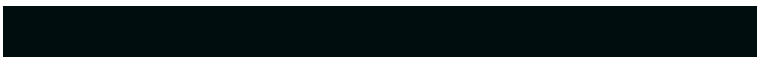
10.4026, 9.3277, 33.1501



6.7243, 7.3143, 8.4641



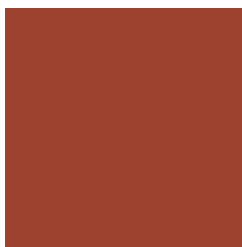
11.4362, 14.9638, 28.1928



0.2280, 0.3145, 0.5119

Previews

White Background



This preview shows how the XYZ color 16.3659, 11.2698, 4.0020 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 16.3659, 11.2698, 4.0020 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 16.3659, 11.2698, 4.0020

Background



This preview shows how black text looks on a background with the XYZ color 16.3659, 11.2698, 4.0020.



This preview shows how white text looks on a background with the XYZ color 16.3659, 11.2698,

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

16.3659, 11.2698, 4.0020

Protanopia

10.5396, 11.4229, 5.5202

Deuteranopia

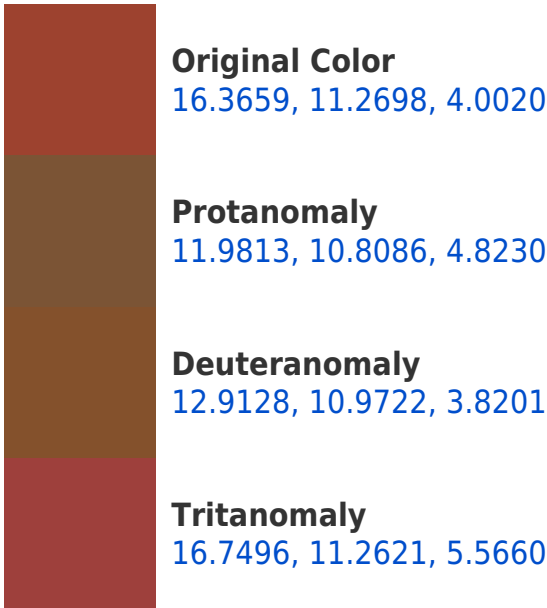
11.5453, 11.3310, 3.7691



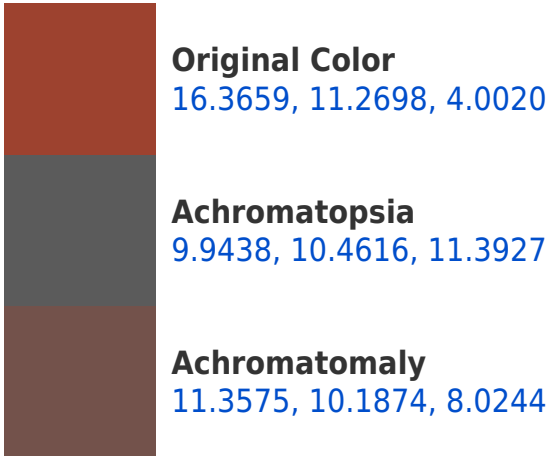
Tritanopia

16.8912, 11.2294, 6.5874

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3659, 11.2698, 4.0020 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, 66, 47)` looks like.

```
.text, #text, p{  
    color:rgb(157, 66, 47)  
}
```

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, 66, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 66, 47) }
```

Border

The CSS property to change the border of an element to XYZ 16.3659, 11.2698, 4.0020 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, 66, 47) }
```


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

```
.border{ border-color:rgb(157, 66, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 66, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 66, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 66, 47);  
box-shadow:4px 4px 4px 4px rgb(157, 66,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3659, 11.2698, 4.0020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 66, 47) }
```

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

```
.background{ background-color: rgb(157, 66,  
47) }
```

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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