

Converting Colors

XYZ(16.7865, 12.1744, 2.9938)

Have a look what the booklet for
XYZ(16.7865, 12.1744, 2.9938)
contains.

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Color

**XYZ(16.7718, 12.1497,
2.9745)**

Conversions

Conversions Part 1

Format	Color
Hex	9E4922
RGB	158, 73, 34
RGB Percent	62%, 29%, 13%
CMY	0.3804, 0.7137, 0.8667
CMYK	0.00, 0.54, 0.78, 0.38
HSL	19°, 65%, 38%
HSV	19°, 78%, 62%
XYZ	16.7718, 12.1497, 2.9745
YIQ	93.9690, 63.1790, 5.8910

Conversions

Conversions Part 2

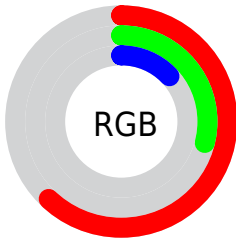
Format	Color
RYB	158, 91, 34
Decimal	10373410
CIELab	41.45, 32.80, 38.82
CIElCh	41, 50.826, 49.803
Yxy	12.1497, 0.5258, 0.3809
Android (android.graphics.Color)	4288563490 (0xFF9E4922)
YUV	93.9690, -29.5647, 56.1552
Hunter-Lab	34.8564, 24.8898, 19.3399

Details

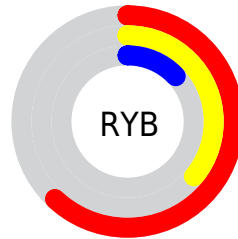
The XYZ color **16.7718, 12.1497, 2.9745** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **13.4274, 16.0010, 34.7282**, and the grayscale version is **10.6897, 11.2464, 12.2473**.

A 20% lighter version of the original color is **37.6063, 29.9148, 11.5766**, and **5.6935, 3.4200, 0.3600** is the 20% darker color. If you saturate the color by 10%, you get **15.9434, 10.7778, 1.8209**, and if you desaturate by 10%, it is **17.8294, 13.8128, 4.7215**.

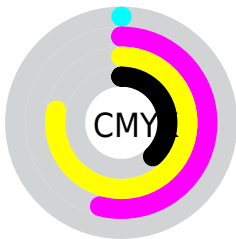
Distribution



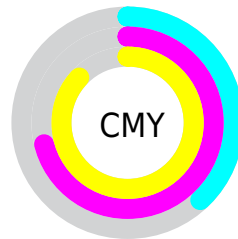
- Red (62%)
- Green (29%)
- Blue (13%)



- Red (62%)
- Yellow (36%)
- Blue (13%)



- Cyan (0%)
- Magenta (54%)
- Yellow (78%)
- Black (38%)





- Cyan (38%)
- Magenta (71%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.7718, 12.1497, 2.9745 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 16.7718, 12.1497, 2.9745 by changing the saturation by 10% instead.


 16.7718, 12.1497,
2.9745

 16.7718, 12.1497,
2.9745


227.0358,
205.3938, 136.0352


 10.1662, 6.8457,
1.0816


 37.4797, 29.7675,
11.5654


 5.5724, 3.3658,
0.0000

 52.3128, 42.8500,
19.1006


 2.6250, 1.3256,
0.0000

 70.6191, 59.2942,
29.3536

 0.9587, 0.1609,
0.0000

 92.7639, 79.4845,
42.7430

 0.0000, 0.0000,
0.0000

 119.1126,
103.8052, 59.6873

 150.0306,

132.6407, 80.6051

185.8832,
166.3755, 105.9149

16.7718, 12.1497,
2.9745

16.7718, 12.1497,
2.9745

15.9434, 10.7778,
1.8209

17.8294, 13.8128,
4.7215

15.3126, 9.6723,
1.1288

19.1342, 15.7820,
7.1305

15.2282, 9.5247,
1.0358

20.7029, 18.0735,
10.2610

22.5504, 20.7018,
14.1657

24.6905, 23.6802,
18.8923

■ 27.1359, 27.0214,
24.4848

■ 29.8987, 30.7375,
30.9839

■ 32.9900, 34.8398,
38.4276

■ 36.4206, 39.3394,
46.8519

Harmonies

Analogous

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



19.6127, 12.1497, 7.4600



16.7718, 12.1497, 2.9745



12.8530, 12.1497, 1.6046

Triad

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



16.7718, 12.1497, 2.9745



5.8684, 12.1497, 9.9414



14.1281, 12.1497, 43.1256

Complementary

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



16.7718, 12.1497, 2.9745



13.4274, 16.0010, 34.7282

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.



10.3343, 12.1497, 45.0951



16.7718, 12.1497, 2.9745



6.0668, 12.1497, 21.3963

Square

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



16.7718, 12.1497, 2.9745



6.9238, 12.1497, 3.9581



7.5399, 12.1497, 35.6751



17.8748, 12.1497, 31.2048

Rectangle

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



16.7718, 12.1497, 2.9745



10.3792, 12.1497, 1.5986



7.5399, 12.1497, 35.6751



12.8013, 12.1497, 45.1503

Sweetspot

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



16.7721, 12.1504, 2.9747



46.5520, 45.3572, 38.1897



18.1114, 9.7887, 18.9597



10.1691, 9.7783, 7.8708



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.



16.7721, 12.1504, 2.9747



28.0887, 18.0549, 2.3651



22.8040, 24.2143, 4.9854



6.7949, 6.9697, 6.9728



12.2284, 7.6924, 0.8403



0.2542, 0.2086, 0.0269

Inverse Universe

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



13.4274, 16.0010, 34.7282



21.5630, 24.9606, 62.4248



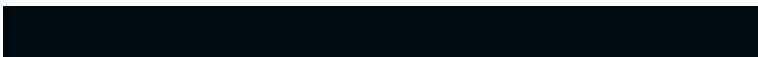
8.3849, 5.9162, 33.0474



6.6457, 7.1572, 8.4379



9.2993, 10.6902, 27.4805



0.2022, 0.2631, 0.5034

Previews

White Background



This preview shows how the XYZ color 16.7718, 12.1497, 2.9745 looks on a white background.

Color Contrast Check

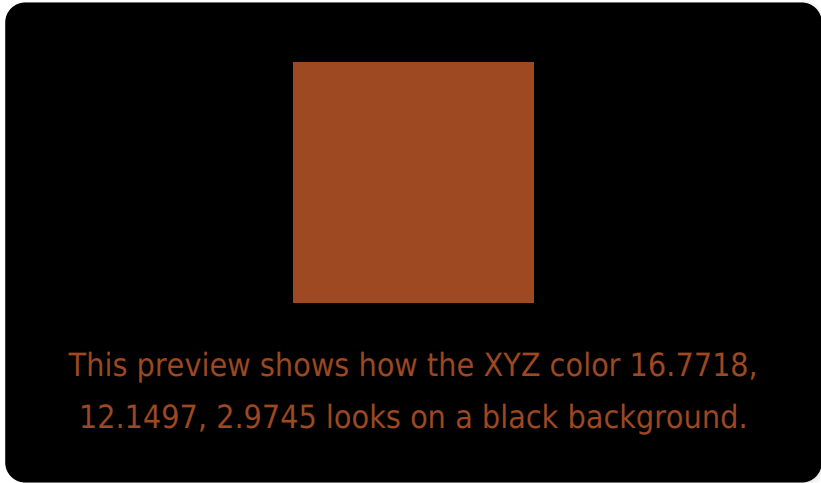
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 16.7718, 12.1497, 2.9745

Background



This preview shows how black text looks on a background with the XYZ color 16.7718, 12.1497, 2.9745.



This preview shows how white text looks on a background with the XYZ color 16.7718, 12.1497,

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

16.7718, 12.1497, 2.9745

Protanopia

11.2925, 12.3988, 3.8958

Deuteranopia

12.4361, 12.1976, 2.7975



Tritanopia

17.8279, 12.2109, 7.7206

Trichromacy



Original Color

16.7718, 12.1497, 2.9745

Protanomaly

12.7584, 11.9643, 3.4706

Deuteranomaly

13.7155, 11.9836, 2.8185

Tritanomaly

17.2777, 12.0670, 5.5562

Monochromacy



Original Color

16.7718, 12.1497, 2.9745

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.8336, 10.9054, 7.6121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7718, 12.1497, 2.9745 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, 73, 34)` looks like.

```
.text, #text, p{  
    color:rgb(158, 73, 34)  
}
```

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, 73, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 73, 34) }
```

Border

The CSS property to change the border of an element to XYZ 16.7718, 12.1497, 2.9745 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, 73, 34) }
```


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

```
.border{ border-color:rgb(158, 73, 34) }
```

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

Here you see how a box with a 4 pixel rgb(158, 73, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 73, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 73, 34);  
box-shadow:4px 4px 4px 4px rgb(158, 73,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7718, 12.1497, 2.9745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 73, 34) }
```

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

```
.background{ background-color: rgb(158, 73,  
34) }
```

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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