

Converting Colors

XYZ(16.3972, 12.2017, 1.7652)

Have a look what the booklet for
XYZ(16.3972, 12.2017, 1.7652)
contains.

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Color

**XYZ(16.4755, 12.2222,
1.7779)**

Conversions

Conversions Part 1

Format	Color
Hex	9D4B0A
RGB	157, 75, 10
RGB Percent	62%, 29%, 4%
CMY	0.3843, 0.7059, 0.9608
CMYK	0.00, 0.52, 0.94, 0.38
HSL	27°, 88%, 33%
HSV	27°, 94%, 62%
XYZ	16.4755, 12.2222, 1.7779
YIQ	92.1080, 69.7370, -2.8310

Conversions

Conversions Part 2

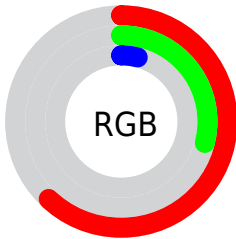
Format	Color
R_{YB}	157, 127, 10
Decimal	10308362
CIE Lab	41.57, 30.65, 48.51
CIE LCh	42, 57.386, 57.715
Yxy	12.2222, 0.5406, 0.4010
Android (android.graphics.Color)	4288498442 (0xFF9D4B0A)
YUV	92.1080, -40.4792, 56.9103
Hunter-Lab	34.9603, 22.9401, 21.4570

Details

The XYZ color **16.4755, 12.2222, 1.7779** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.0378, 10.1525, 33.3286**, and the grayscale version is **10.2773, 10.8125, 11.7748**.

A 20% lighter version of the original color is **36.8184, 29.7667, 8.3624**, and **5.5375, 3.4365, 0.3715** is the 20% darker color. If you saturate the color by 10%, you get **16.0590, 11.4769, 1.3689**, and if you desaturate by 10%, it is **17.2396, 13.5452, 2.6658**.

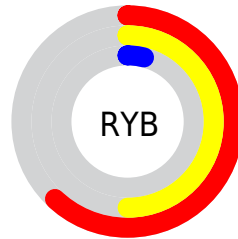
Distribution



Red (62%)

Green (29%)

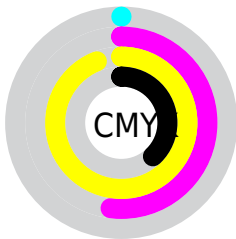
Blue (4%)



Red (62%)

Yellow (50%)

Blue (4%)

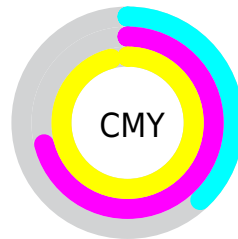


Cyan (0%)

Magenta (52%)

Yellow (94%)

Black (38%)



Cyan (38%)

Magenta (71%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4755, 12.2222, 1.7779 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 16.4755, 12.2222, 1.7779 by changing the saturation by 10% instead.

■ 16.4755, 12.2222,
1.7779

■ 16.4755, 12.2222,
1.7779

■ 225.3471,
205.8708, 118.8267

■ 9.9542, 6.8952,
0.4133

■ 36.9726, 29.8992,
8.4242

■ 5.4307, 3.3966,
0.0000

■ 51.6791, 43.0179,
14.6413

■ 2.5394, 1.3421,
0.0000

■ 69.8447, 59.5027,
23.3457

■ 0.9152, 0.1735,
0.0000


■ 91.8348, 79.7379,
34.9560


■ 0.0000, 0.0000,
0.0000


■ 118.0147,
104.1079, 49.8907


■ 148.7499,


132.9971, 68.5684


 184.4055,
166.7900, 91.4075


 16.4755, 12.2222,
1.7779


 16.4755, 12.2222,
1.7779


 16.0590, 11.4769,
1.3689

 17.2396, 13.5452,
2.6658

 18.1842, 15.0757,
4.0863

 19.3263, 16.8258,
6.1134

 20.6802, 18.8058,
8.8089

 22.2589, 21.0252,
12.2270

■ 24.0740, 23.4927,
16.4163

■ 26.1361, 26.2166,
21.4209

■ 28.4554, 29.2047,
27.2818

■ 31.0411, 32.4645,
34.0370

Harmonies

Analogous

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



20.3125, 12.2222, 5.2005



16.4755, 12.2222, 1.7779



11.9411, 12.2222, 1.0021

Triad

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



16.4755, 12.2222, 1.7779



5.2811, 12.2222, 12.4087



15.7829, 12.2222, 45.9861

Complementary

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



16.4755, 12.2222, 1.7779



10.0378, 10.1525, 33.3286

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.



11.2985, 12.2222, 52.2630



16.4755, 12.2222, 1.7779



5.8428, 12.2222, 27.1886

Square

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



16.4755, 12.2222, 1.7779



6.0484, 12.2222, 4.3943



7.8217, 12.2222, 43.9147



19.8497, 12.2222, 29.8365

Rectangle

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



16.4755, 12.2222, 1.7779



9.3329, 12.2222, 1.2066



7.8217, 12.2222, 43.9147



14.2460, 12.2222, 49.6296

Sweetspot

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



16.4758, 12.2229, 1.7781



44.9379, 44.4981, 33.7749



16.0022, 8.1808, 11.1615



9.5692, 9.3678, 6.6645



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.



16.4758, 12.2229, 1.7781



28.5758, 20.1853, 2.3900



24.4241, 28.1195, 4.4276



6.8624, 7.1047, 6.9953



13.0788, 9.3932, 1.1237



0.2754, 0.2510, 0.0339

Inverse Universe

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



10.0378, 10.1525, 33.3286



16.8927, 16.3468, 59.3917



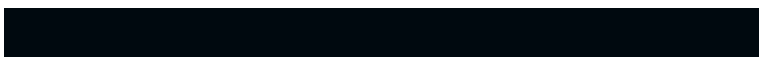
6.4576, 2.9922, 32.1352



6.5761, 7.0180, 8.4147



7.7861, 7.6637, 26.9761



0.1810, 0.2206, 0.4963

Previews

White Background



This preview shows how the XYZ color 16.4755, 12.2222, 1.7779 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 16.4755, 12.2222, 1.7779 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 16.4755, 12.2222, 1.7779

Background



This preview shows how black text looks on a background with the XYZ color 16.4755, 12.2222, 1.7779.



This preview shows how white text looks on a background with the XYZ color 16.4755, 12.2222,

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

16.4755, 12.2222, 1.7779

Protanopia

11.1266, 12.3469, 2.3690

Deuteranopia

12.4602, 12.3654, 1.7300



Tritanopia

17.7582, 12.2592, 8.0869

Trichromacy



Original Color

16.4755, 12.2222, 1.7779

Protanomaly

12.6445, 11.9360, 2.0894

Deuteranomaly

13.7466, 12.1435, 1.7343

Tritanomaly

17.0155, 12.1428, 4.5790

Monochromacy



Original Color

16.4755, 12.2222, 1.7779

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

11.3997, 10.7164, 6.0251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4755, 12.2222, 1.7779 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, 75, 10)` looks like.

```
.text, #text, p{  
    color:rgb(157, 75, 10)  
}
```

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, 75, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 75, 10) }
```

Border

The CSS property to change the border of an element to XYZ 16.4755, 12.2222, 1.7779 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, 75, 10) }
```


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

```
.border{ border-color:rgb(157, 75, 10) }
```

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

Here you see how a box with a 4 pixel rgb(157, 75, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 75, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 75, 10);  
box-shadow:4px 4px 4px 4px rgb(157, 75,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4755, 12.2222, 1.7779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 75, 10) }
```

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

```
.background{ background-color: rgb(157, 75,  
10) }
```

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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