

Converting Colors

XYZ(15.7877, 12.9445, 2.4255)

Have a look what the booklet for
XYZ(15.7877, 12.9445, 2.4255)
contains.

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Color

**XYZ(15.7877, 12.9445,
2.4255)**

Conversions

Conversions Part 1

Format	Color
Hex	955516
RGB	149, 85, 22
RGB Percent	58%, 33%, 9%
CMY	0.4157, 0.6666, 0.9137
CMYK	0.00, 0.43, 0.85, 0.42
HSL	30°, 74%, 34%
HSV	30°, 85%, 58%
XYZ	15.7877, 12.9445, 2.4255
YIQ	96.9540, 58.3670, -6.0250

Conversions

Conversions Part 2

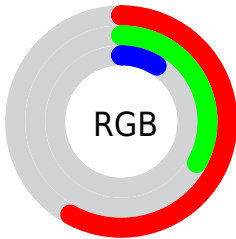
Format	Color
R_{YB}	149, 147, 22
Decimal	9786646
CIE _{Lab}	42.68, 21.92, 44.90
CIE _{LCh}	43, 49.963, 63.975
Yxy	12.9445, 0.5067, 0.4155
Android (android.graphics.Color)	4287976726 (0xFF955516)
YUV	96.9540, -36.9523, 45.6443
Hunter-Lab	35.9785, 15.3652, 21.1879

Details

The XYZ color **15.7877, 12.9445, 2.4255** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.0832, 8.9955, 29.6910**, and the grayscale version is **11.4293, 12.0245, 13.0947**.

A 20% lighter version of the original color is **35.8137, 31.1928, 10.0945**, and **5.2397, 3.7782, 0.4531** is the 20% darker color. If you saturate the color by 10%, you get **15.1219, 11.7826, 1.6812**, and if you desaturate by 10%, it is **16.5984, 14.2659, 3.6210**.

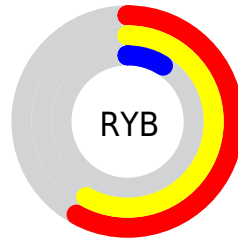
Distribution



Red (58%)

Green (33%)

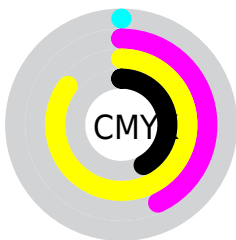
Blue (9%)



Red (58%)

Yellow (58%)

Blue (9%)

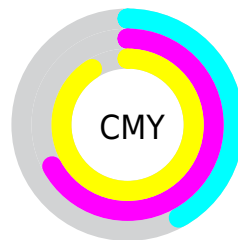


Cyan (0%)

Magenta (43%)

Yellow (85%)

Black (42%)



Cyan (42%)


Magenta (67%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.7877, 12.9445, 2.4255 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 15.7877, 12.9445, 2.4255 by changing the saturation by 10% instead.


 15.7877, 12.9445,
2.4255


 15.7877, 12.9445,
2.4255


221.3808,
210.5617, 128.6688


 9.4639, 7.3903,
0.8003


 35.7897, 31.2040,
10.1745


 5.1045, 3.7074,
0.0000

 50.1986, 44.6782,
17.1444


 2.3441, 1.5113,
0.0000

 68.0333, 61.5612,
26.7361

 0.8171, 0.2966,
0.0000

 89.6591, 82.2373,
39.3680


 0.0000, 0.0000,
0.0000


 115.4414,
107.0910, 55.4587


 145.7456,


136.5068, 75.4267


 180.9369,
170.8688, 99.6905


 15.7877, 12.9445,
2.4255


 15.7877, 12.9445,
2.4255


 15.1219, 11.7826,
1.6812


 16.5984, 14.2659,
3.6210

 14.8376, 11.2761,
1.3945

 17.5689, 15.7540,
5.3404

 18.7115, 17.4173,
7.6391

 20.0372, 19.2626,
10.5655

 21.5555, 21.2967,
14.1625

■ 23.2755, 23.5256,
18.4694

■ 25.2054, 25.9551,
23.5223

■ 27.3531, 28.5908,
29.3550

■ 29.7259, 31.4378,
35.9990

Harmonies

Analogous

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



19.3943, 12.9445, 5.3493



15.7877, 12.9445, 2.4255



11.8048, 12.9445, 1.8405

Triad

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



15.7877, 12.9445, 2.4255



6.3689, 12.9445, 15.5921



16.8443, 12.9445, 39.4707

Complementary

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



15.7877, 12.9445, 2.4255



9.0832, 8.9955, 29.6910

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.



12.8158, 12.9445, 46.8734



15.7877, 12.9445, 2.4255



7.1934, 12.9445, 29.2803

Square

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



15.7877, 12.9445, 2.4255



6.8457, 12.9445, 6.7743



9.3736, 12.9445, 42.4172



20.0871, 12.9445, 25.3848

Rectangle

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



15.7877, 12.9445, 2.4255



9.5721, 12.9445, 2.3292



9.3736, 12.9445, 42.4172



15.5102, 12.9445, 43.0786

Sweetspot

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



15.7880, 12.9452, 2.4257



41.2643, 41.5952, 32.0043



14.4269, 7.6616, 9.8681



8.9275, 8.9384, 6.5431



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.7880, 12.9452, 2.4257



26.3928, 19.8348, 2.4374



22.9546, 27.2783, 4.8146



6.0242, 6.2621, 6.1317



12.5177, 9.5498, 1.1835



0.1826, 0.1757, 0.0243

Inverse Universe

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



9.0832, 8.9955, 29.6910



14.0508, 12.5573, 52.6045



6.0848, 2.9987, 28.6915



5.7265, 6.0870, 7.3428



6.7178, 6.1304, 24.7603



0.1117, 0.1339, 0.3129

Previews

White Background



This preview shows how the XYZ color 15.7877, 12.9445, 2.4255 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 15.7877, 12.9445, 2.4255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

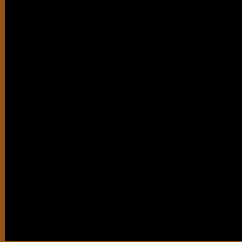
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.7877, 12.9445, 2.4255

Background



This preview shows how black text looks on a background with the XYZ color 15.7877, 12.9445, 2.4255.



This preview shows how white text looks on a background with the XYZ color 15.7877, 12.9445,

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

15.7877, 12.9445, 2.4255

Protanopia

11.8773, 13.1547, 2.8904

Deuteranopia

13.1712, 12.9894, 2.2650



Tritanopia

17.3846, 12.9232, 10.1725

Trichromacy



Original Color

15.7877, 12.9445, 2.4255

Protanomaly

13.1107, 12.9480, 2.7279

Deuteranomaly

14.0897, 12.9322, 2.3258

Tritanomaly

16.5744, 12.8120, 6.1568

Monochromacy



Original Color

15.7877, 12.9445, 2.4255

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

12.2223, 11.9839, 7.4633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7877, 12.9445, 2.4255 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(149, 85, 22)` looks like.

```
.text, #text, p{  
    color:rgb(149, 85, 22)  
}
```

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(149, 85, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 85, 22) }
```

Border

The CSS property to change the border of an element to XYZ 15.7877, 12.9445, 2.4255 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(149, 85, 22) }
```


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

```
.border{ border-color:rgb(149, 85, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 85, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 85, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 85, 22);  
box-shadow:4px 4px 4px 4px rgb(149, 85,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7877, 12.9445, 2.4255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 85, 22) }
```

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

```
.background{ background-color: rgb(149, 85,  
22) }
```

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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