

Converting Colors

XYZ(16.2782, 14.3942, 7.0500)

Have a look what the booklet for
XYZ(16.2782, 14.3942, 7.0500)
contains.

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Color

**XYZ(16.2309, 14.3285,
7.0645)**

Conversions

Conversions Part 1

Format	Color
Hex	8E5F42
RGB	142, 95, 66
RGB Percent	56%, 37%, 26%
CMY	0.4431, 0.6274, 0.7412
CMYK	0.00, 0.33, 0.54, 0.44
HSL	23°, 37%, 41%
HSV	23°, 54%, 56%
XYZ	16.2309, 14.3285, 7.0645
YIQ	105.7470, 37.3210, 0.9450

Conversions

Conversions Part 2

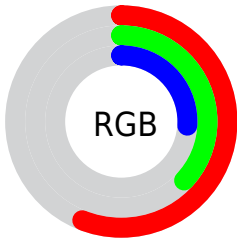
Format	Color
R_{YB}	142, 113, 66
Decimal	9330498
CIE _{Lab}	44.70, 15.76, 24.29
CIE _{LCh}	45, 28.955, 57.025
Yxy	14.3285, 0.4314, 0.3808
Android (android.graphics.Color)	4287520578 (0xFF8E5F42)
YUV	105.7470, -19.5953, 31.7939
Hunter-Lab	37.8530, 10.2958, 15.4318

Details

The XYZ color **16.2309, 14.3285, 7.0645** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.0342, 14.9210, 27.7842**, and the grayscale version is **13.6754, 14.3876, 15.6681**.

A 20% lighter version of the original color is **36.6048, 33.7784, 20.5102**, and **5.3216, 4.2957, 1.3077** is the 20% darker color. If you saturate the color by 10%, you get **15.1163, 12.6881, 4.8777**, and if you desaturate by 10%, it is **17.5394, 16.1903, 9.8291**.

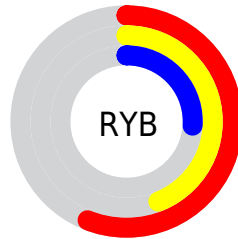
Distribution



Red (56%)

Green (37%)

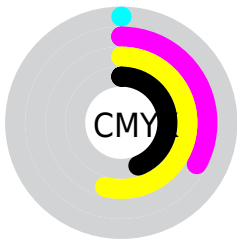
Blue (26%)



Red (56%)

Yellow (44%)

Blue (26%)

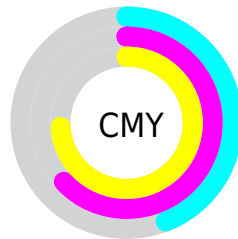


Cyan (0%)

Magenta (33%)

Yellow (54%)

Black (44%)



Cyan (44%)


Magenta (63%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.2309, 14.3285, 7.0645 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 16.2309, 14.3285, 7.0645 by changing the saturation by 10% instead.


 16.2309, 14.3285,
7.0645


 16.2309, 14.3285,
7.0645


223.9441,
219.2650, 177.8498


 9.7796, 8.3495,
3.4234


 36.5528, 33.6708,
20.6179


 5.3142, 4.3194,
1.3147

 51.1541, 47.8028,
31.3673


 2.4694, 1.8538,
0.0738

 69.2028, 65.4214,
45.3233

 0.8799, 0.5204,
0.0000

 91.0642, 86.9108,
62.9043

 0.0000, 0.0000,
0.0000

 117.1036,
112.6554, 84.5289

 147.6865,

143.0398, 110.6157

183.1782,
178.4481, 141.5831

■ 16.2309, 14.3285,
7.0645

■ 16.2309, 14.3285,
7.0645

■ 15.1163, 12.6881,
4.8777

■ 17.5394, 16.1903,
9.8291

■ 14.1836, 11.2579,
3.2256

■ 19.0505, 18.2797,
13.2086

■ 13.4213, 10.0289,
2.0602

■ 20.7738, 20.6055,
17.2380

■ 12.8153, 8.9901,
1.3240

■ 22.7177, 23.1751,
21.9496

■ 12.4833, 8.4068,
0.9647

■ 24.8902, 25.9958,
27.3732

■ 27.2989, 29.0743,
33.5370

■ 29.9510, 32.4173,
40.4676

■ 32.8535, 36.0310,
48.1904

■ 36.0130, 39.9217,
56.7294

Harmonies

Analogous

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



18.0566, 14.3285, 10.4262



16.2309, 14.3285, 7.0645



13.8548, 14.3285, 5.9136

Triad

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



16.2309, 14.3285, 7.0645



9.5841, 14.3285, 14.9388



15.7783, 14.3285, 30.2128

Complementary

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



16.2309, 14.3285, 7.0645



13.0342, 14.9210, 27.7842

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.



13.3855, 14.3285, 32.4348



16.2309, 14.3285, 7.0645



9.9751, 14.3285, 22.2557

Square

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



16.2309, 14.3285, 7.0645



10.1670, 14.3285, 9.5615



11.3032, 14.3285, 29.1806



17.7749, 14.3285, 23.7636

Rectangle

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



16.2309, 14.3285, 7.0645



12.3374, 14.3285, 6.2064



11.3032, 14.3285, 29.1806



14.9860, 14.3285, 31.5471

Sweetspot

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



16.2312, 14.3292, 7.0648



39.0565, 39.5488, 36.2449



16.1485, 10.8653, 17.2056



8.5853, 8.6512, 7.7593



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



16.2312, 14.3292, 7.0648



26.3353, 21.8908, 8.0064



20.3719, 22.6105, 8.4450



5.5670, 5.7404, 5.7040



11.2250, 7.5816, 0.8718



0.1274, 0.1127, 0.0150

Inverse Universe

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



13.0342, 14.9210, 27.7842



20.0608, 23.0009, 48.5102



9.7230, 8.2987, 26.6805



5.3897, 5.7752, 6.8594



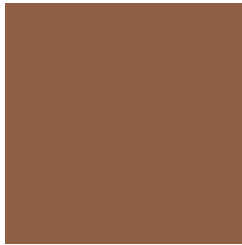
7.5211, 8.0283, 24.1303



0.0933, 0.1195, 0.2378

Previews

White Background



This preview shows how the XYZ color 16.2309, 14.3285, 7.0645 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 16.2309, 14.3285, 7.0645 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 16.2309, 14.3285, 7.0645

Background



This preview shows how black text looks on a background with the XYZ color 16.2309, 14.3285, 7.0645.



This preview shows how white text looks on a background with the XYZ color 16.2309, 14.3285,

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

16.2309, 14.3285, 7.0645

Protanopia

13.3298, 14.3951, 7.8703

Deuteranopia

14.6611, 14.3561, 6.9993



Tritanopia

17.4473, 14.2933, 13.3946

Trichromacy



Original Color

16.2309, 14.3285, 7.0645

Protanomaly

14.2830, 14.2924, 7.6361

Deuteranomaly

15.2475, 14.3737, 6.9718

Tritanomaly

16.8346, 14.1658, 10.6511

Monochromacy



Original Color

16.2309, 14.3285, 7.0645

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.2474, 14.1800, 11.8836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2309, 14.3285, 7.0645 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(142, 95, 66)` looks like.

```
.text, #text, p{  
    color:rgb(142, 95, 66)  
}
```

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(142, 95, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 95, 66) }
```

Border

The CSS property to change the border of an element to XYZ 16.2309, 14.3285, 7.0645 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(142, 95, 66) }
```


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

```
.border{ border-color:rgb(142, 95, 66) }
```

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

Here you see how a box with a 4 pixel rgb(142, 95, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 95, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 95, 66);  
box-shadow:4px 4px 4px 4px rgb(142, 95,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2309, 14.3285, 7.0645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 95, 66) }
```

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

```
.background{ background-color: rgb(142, 95,  
66) }
```

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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