

Converting Colors

XYZ(14.6786, 12.7776, 7.2985)

Have a look what the booklet for
XYZ(14.6786, 12.7776, 7.2985)
contains.

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Color

**XYZ(14.6382, 12.7253,
7.3149)**

Conversions

Conversions Part 1

Format	Color
Hex	875945
RGB	135, 89, 69
RGB Percent	53%, 35%, 27%
CMY	0.4706, 0.6510, 0.7294
CMYK	0.00, 0.34, 0.49, 0.47
HSL	18°, 32%, 40%
HSV	18°, 49%, 53%
XYZ	14.6382, 12.7253, 7.3149
YIQ	100.4740, 33.8360, 3.5320

Conversions

Conversions Part 2

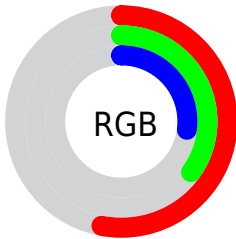
Format	Color
R_{YB}	135, 98, 69
Decimal	8870213
CIE Lab	42.35, 16.52, 19.29
CIE LCh	42, 25.398, 49.431
Yxy	12.7253, 0.4221, 0.3670
Android (android.graphics.Color)	4287060293 (0xFF875945)
YUV	100.4740, -15.5167, 30.2793
Hunter-Lab	35.6725, 10.8204, 12.8130

Details

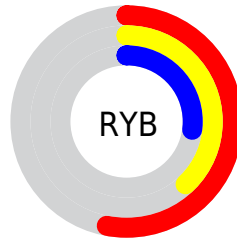
The XYZ color **14.6382, 12.7253, 7.3149** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **12.9578, 15.2752, 25.1870**, and the grayscale version is **12.2670, 12.9059, 14.0545**.

A 20% lighter version of the original color is **33.6787, 30.6967, 20.9796**, and **4.6066, 3.6369, 1.3789** is the 20% darker color. If you saturate the color by 10%, you get **13.5324, 11.1098, 5.1088**, and if you desaturate by 10%, it is **15.9401, 14.5804, 10.0571**.

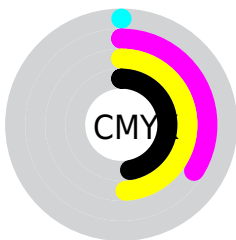
Distribution



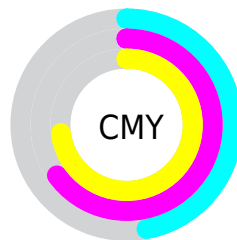
- Red (53%)
- Green (35%)
- Blue (27%)



- Red (53%)
- Yellow (38%)
- Blue (27%)



- Cyan (0%)
- Magenta (34%)
- Yellow (49%)
- Black (47%)



- Cyan (47%)
- Magenta (65%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6382, 12.7253, 7.3149 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 14.6382, 12.7253, 7.3149 by changing the saturation by 10% instead.

■ 14.6382, 12.7253,
7.3149

■ 14.6382, 12.7253,
7.3149

214.5979,
209.1496, 179.9842

■ 8.6505, 7.2397,
3.5784

■ 33.7941, 30.8094,
21.1275

■ 4.5692, 3.6124,
1.3970

■ 47.6930, 44.1766,
32.0407

■ 2.0289, 1.4592,
0.1394

■ 64.9598, 60.9398,
46.1832

■ 0.6501, 0.2598,
0.0000

■ 85.9597, 81.4834,
63.9736

■ 0.0000, 0.0000,
0.0000

■ 111.0581,
106.1918, 85.8303

140.6203,

135.4494, 112.1720

175.0118,
169.6405, 143.4171

■ 14.6382, 12.7253,
7.3149

■ 14.6382, 12.7253,
7.3149

■ 13.5324, 11.1098,
5.1088

■ 15.9401, 14.5804,
10.0571

■ 12.6114, 9.7218,
3.4024

■ 17.4466, 16.6827,
13.3670

■ 11.8642, 8.5510,
2.1555

■ 19.1670, 19.0418,
17.2749

■ 11.2779, 7.5855,
1.3217

■ 21.1094, 21.6662,
21.8085

■ 10.8265, 6.8074,
0.7864

■ 23.2818, 24.5639,
26.9937

■ 10.7817, 6.7309,
0.7309

■ 25.6916, 27.7427,
32.8552

■ 28.3459, 31.2101,
39.4161

■ 31.2515, 34.9732,
46.6986

■ 34.4149, 39.0388,
54.7238

Harmonies

Analogous

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



15.8903, 12.7253, 10.6495



14.6382, 12.7253, 7.3149



12.7797, 12.7253, 5.8878

Triad

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



14.6382, 12.7253, 7.3149



8.8385, 12.7253, 12.0185



13.3555, 12.7253, 26.2960

Complementary

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



14.6382, 12.7253, 7.3149



12.9578, 15.2752, 25.1870

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.



11.4352, 12.7253, 26.9446



14.6382, 12.7253, 7.3149



8.9580, 12.7253, 17.6483

Square

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



14.6382, 12.7253, 7.3149



9.5195, 12.7253, 8.0897



9.8649, 12.7253, 23.4543



15.0976, 12.7253, 21.8631

Rectangle

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



14.6382, 12.7253, 7.3149



11.5045, 12.7253, 5.8673



9.8649, 12.7253, 23.4543



12.7054, 12.7253, 27.0011

Sweetspot

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



14.6385, 12.7259, 7.3151



35.5140, 35.7148, 33.6895



15.2258, 10.6496, 17.5332



8.0808, 8.0762, 7.4685



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



14.6385, 12.7259, 7.3151



23.9778, 19.5148, 8.6577



18.0008, 19.4505, 8.4359



4.7792, 4.9019, 4.9236



9.9528, 6.2283, 0.6776



0.0403, 0.0332, 0.0043

Inverse Universe

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



12.9578, 15.2752, 25.1870



20.5616, 24.6101, 44.7149



9.8599, 9.0794, 24.1544



4.6857, 5.0470, 5.9280



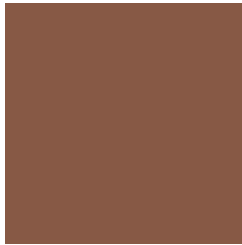
7.7425, 9.0329, 22.4721



0.0333, 0.0442, 0.0800

Previews

White Background



This preview shows how the XYZ color 14.6382, 12.7253, 7.3149 looks on a white background.

Color Contrast Check

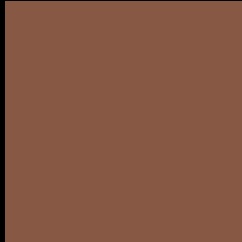
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.6382, 12.7253, 7.3149 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 14.6382, 12.7253, 7.3149

Background



This preview shows how black text looks on a background with the XYZ color 14.6382, 12.7253, 7.3149.



This preview shows how white text looks on a background with the XYZ color 14.6382, 12.7253,

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

14.6382, 12.7253, 7.3149

Protanopia

11.9775, 12.7969, 8.3173

Deuteranopia

12.9720, 12.7762, 7.2512



Tritanopia

15.5761, 12.7466, 11.7646

Trichromacy



Original Color

14.6382, 12.7253, 7.3149

Protanomaly

12.8238, 12.6852, 7.9035

Deuteranomaly

13.4152, 12.6060, 7.1950

Tritanomaly

15.1618, 12.6907, 10.0379

Monochromacy



Original Color

14.6382, 12.7253, 7.3149

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.7961, 12.5977, 11.2084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6382, 12.7253, 7.3149 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(135, 89, 69)` looks like.

```
.text, #text, p{  
    color:rgb(135, 89, 69)  
}
```

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(135, 89, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 89, 69) }
```

Border

The CSS property to change the border of an element to XYZ 14.6382, 12.7253, 7.3149 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(135, 89, 69) }
```


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

```
.border{ border-color:rgb(135, 89, 69) }
```

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

Here you see how a box with a 4 pixel rgb(135, 89, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 89, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 89, 69);  
box-shadow:4px 4px 4px 4px rgb(135, 89,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6382, 12.7253, 7.3149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 89, 69) }
```

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

```
.background{ background-color: rgb(135, 89,  
69) }
```

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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