

Converting Colors

XYZ(16.3042, 14.3649, 12.9699)

Have a look what the booklet for
XYZ(16.3042, 14.3649, 12.9699)
contains.

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Color

**XYZ(16.2859, 14.3612,
12.9800)**

Conversions

Conversions Part 1

Format	Color
Hex	876060
RGB	135, 96, 96
RGB Percent	53%, 38%, 38%
CMY	0.4706, 0.6235, 0.6235
CMYK	0.00, 0.29, 0.29, 0.47
HSL	0°, 17%, 45%
HSV	0°, 29%, 53%
XYZ	16.2859, 14.3612, 12.9800
YIQ	107.6610, 23.2440, 8.2680

Conversions

Conversions Part 2

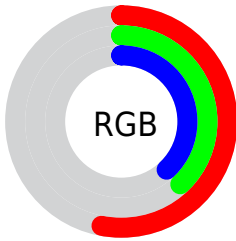
Format	Color
R_{YB}	135, 96, 96
Decimal	8872032
CIE _{Lab}	44.75, 15.87, 6.30
CIE _{LCh}	45, 17.079, 21.659
Yxy	14.3612, 0.3733, 0.3292
Android (android.graphics.Color)	4287062112 (0xFF876060)
YUV	107.6610, -5.7489, 23.9763
Hunter-Lab	37.8962, 10.3922, 6.2196

Details

The XYZ color **16.2859, 14.3612, 12.9800** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **17.8608, 21.5634, 26.1426**, and the grayscale version is **14.1704, 14.9083, 16.2352**.

A 20% lighter version of the original color is **36.6083, 33.7616, 31.7813**, and **5.3302, 4.3117, 3.5689** is the 20% darker color. If you saturate the color by 10%, you get **14.5893, 11.8787, 9.6068**, and if you desaturate by 10%, it is **18.3015, 17.3107, 16.9865**.

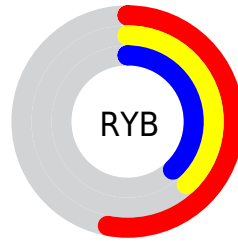
Distribution



Red (53%)

Green (38%)

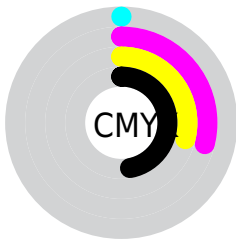
Blue (38%)



Red (53%)

Yellow (38%)

Blue (38%)

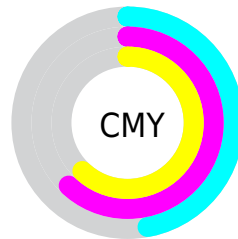


Cyan (0%)

Magenta (29%)

Yellow (29%)

Black (47%)



Cyan (47%)

Magenta (62%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2859, 14.3612, 12.9800 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 16.2859, 14.3612, 12.9800 by changing the saturation by 10% instead.

■ 16.2859, 14.3612,
12.9800

■ 16.2859, 14.3612,
12.9800

224.2603,
219.4664, 221.9928

■ 9.8188, 8.3723,
7.2842

■ 36.6473, 33.7286,
31.9585

■ 5.3403, 4.3341,
3.5593

■ 51.2723, 47.8758,
46.0783

■ 2.4851, 1.8622,
1.3869

■ 69.3473, 65.5113,
63.8432

■ 0.8877, 0.5255,
0.1314

■ 91.2377, 87.0195,
85.6717

■ 0.0000, 0.0000,
0.0000

117.3089,
112.7847, 111.9824

147.9261,

143.1913, 143.1937

183.4548,
178.6238, 179.7244

■ 16.2859, 14.3612,
12.9800

■ 16.2859, 14.3612,
12.9800

■ 14.5893, 11.8787,
9.6068

■ 18.3015, 17.3107,
16.9865

■ 13.1944, 9.8375,
6.8338

■ 20.6501, 20.7474,
21.6555

■ 12.0837, 8.2123,
4.6259

■ 23.3462, 24.6925,
27.0153

■ 11.2379, 6.9745,
2.9445

■ 26.4032, 29.1656,
33.0925

■ 10.6348, 6.0920,
1.7456

■ 29.8336, 34.1852,
39.9122

■ 10.2489, 5.5273,
0.9787

■ 33.6494, 39.7688,
47.4982

■ 10.0163, 5.1870,
0.5164

■ 37.8622, 45.9332,
55.8733

■ 9.9918, 5.1511,
0.4676

■ 42.4829, 52.6946,
65.0594

■ 47.5221, 60.0683,
75.0776

Harmonies

Analogous

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



16.4669, 14.3612, 16.7730



16.2859, 14.3612, 12.9800



15.3748, 14.3612, 10.3716

Triad

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



16.2859, 14.3612, 12.9800



11.6602, 14.3612, 11.3554



13.2661, 14.3612, 24.4926

Complementary

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



16.2859, 14.3612, 12.9800



17.8608, 21.5634, 26.1426

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.



12.0591, 14.3612, 22.4370



16.2859, 14.3612, 12.9800



11.1740, 14.3612, 14.5533

Square

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



16.2859, 14.3612, 12.9800



12.6876, 14.3612, 9.5504



11.3149, 14.3612, 18.6337



14.6597, 14.3612, 23.8785

Rectangle

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



16.2859, 14.3612, 12.9800



14.5078, 14.3612, 9.4417



11.3149, 14.3612, 18.6337



12.8265, 14.3612, 24.0800

Sweetspot

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



16.2863, 14.3619, 12.9803



36.8392, 36.9481, 38.5003



18.5479, 15.2661, 24.8908



8.3983, 8.3617, 8.6513



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.



16.2863, 14.3619, 12.9803



27.0108, 22.5663, 18.9616



18.2911, 18.3714, 13.6485



4.6726, 4.6888, 4.8881



9.2137, 4.7500, 0.4312



0.0319, 0.0165, 0.0015

Inverse Universe

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



17.8608, 21.5634, 26.1426



30.3335, 37.7641, 46.7388



15.3851, 16.6121, 25.3173



4.8016, 5.2788, 5.9666



12.0207, 17.5892, 23.8982



0.0416, 0.0609, 0.0828

Previews

White Background



This preview shows how the XYZ color 16.2859, 14.3612, 12.9800 looks on a white background.

Color Contrast Check

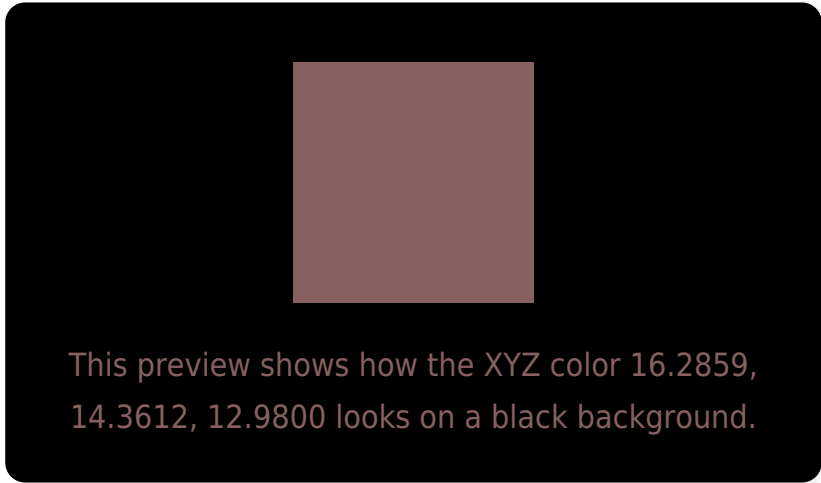
Large Text (above 18pt) WCAG AA ✓ Pass

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

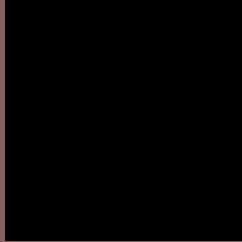
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.2859, 14.3612, 12.9800

Background



This preview shows how black text looks on a background with the XYZ color 16.2859, 14.3612, 12.9800.



This preview shows how white text looks on a background with the XYZ color 16.2859, 14.3612,

12.9800.

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

16.2859, 14.3612, 12.9800

Protanopia

13.8097, 14.4989, 14.3826

Deuteranopia

14.5627, 14.3220, 12.8234



Tritanopia

16.6438, 14.3780, 14.4684

Trichromacy



Original Color

16.2859, 14.3612, 12.9800

Protanomaly

14.4747, 14.2551, 13.7930

Deuteranomaly

15.0802, 14.3005, 12.7919

Tritanomaly

16.5458, 14.3388, 13.9522

Monochromacy



Original Color

16.2859, 14.3612, 12.9800

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.9202, 14.7517, 15.1577

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2859, 14.3612, 12.9800 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, 96, 96)` looks like.

```
.text, #text, p{  
    color:rgb(135, 96, 96)  
}
```

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, 96, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 96, 96) }
```

Border

The CSS property to change the border of an element to XYZ 16.2859, 14.3612, 12.9800 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, 96, 96) }
```


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

```
.border{ border-color:rgb(135, 96, 96) }
```

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

Here you see how a box with a 4 pixel rgb(135, 96, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 96, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 96, 96);  
box-shadow:4px 4px 4px 4px rgb(135, 96,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2859, 14.3612, 12.9800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 96, 96) }
```

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

```
.background{ background-color: rgb(135, 96,  
96) }
```

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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