

Converting Colors

XYZ(16.3137, 14.8002, 12.5866)

Have a look what the booklet for
XYZ(16.3137, 14.8002, 12.5866)
contains.

XYZ(16.3137, 14.8002, 12.5866)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.3137, 14.8002,
12.5866)**

Conversions

Conversions Part 1

Format	Color
Hex	86635E
RGB	134, 99, 94
RGB Percent	53%, 39%, 37%
CMY	0.4745, 0.6117, 0.6314
CMYK	0.00, 0.26, 0.30, 0.47
HSL	8°, 18%, 45%
HSV	8°, 30%, 53%
XYZ	16.3137, 14.8002, 12.5866
YIQ	108.8950, 22.4650, 5.8650

Conversions

Conversions Part 2

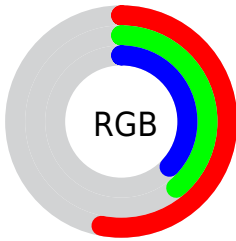
Format	Color
R_{YB}	134, 100, 94
Decimal	8807262
CIE _{Lab}	45.36, 13.39, 8.36
CIE _{LCh}	45, 15.788, 31.994
Yxy	14.8002, 0.3733, 0.3387
Android (android.graphics.Color)	4286997342 (0xFF86635E)
YUV	108.8950, -7.3432, 22.0171
Hunter-Lab	38.4710, 8.3689, 7.5318

Details

The XYZ color **16.3137, 14.8002, 12.5866** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **16.7691, 19.8006, 25.4922**, and the grayscale version is **14.5221, 15.2784, 16.6382**.

A 20% lighter version of the original color is **36.6794, 34.5177, 31.1149**, and **5.3288, 4.5084, 3.3857** is the 20% darker color. If you saturate the color by 10%, you get **14.7326, 12.5182, 9.3461**, and if you desaturate by 10%, it is **18.1612, 17.4479, 16.4313**.

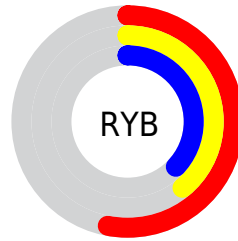
Distribution



Red (53%)

Green (39%)

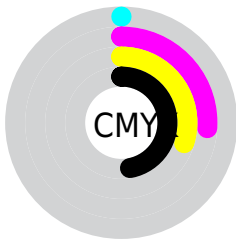
Blue (37%)



Red (53%)

Yellow (39%)

Blue (37%)

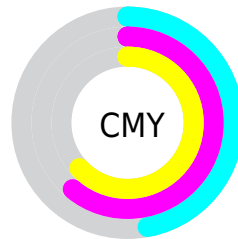


Cyan (0%)

Magenta (26%)

Yellow (30%)

Black (47%)



Cyan (47%)

Magenta (61%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3137, 14.8002, 12.5866 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 16.3137, 14.8002, 12.5866 by changing the saturation by 10% instead.

■ 16.3137, 14.8002,
12.5866

■ 16.3137, 14.8002,
12.5866

224.4199,
222.1537, 219.3650

■ 9.8387, 8.6793,
7.0171

■ 36.6950, 34.5023,
31.2393

■ 5.3536, 4.5326,
3.3942

■ 51.3320, 48.8522,
45.1596

■ 2.4930, 1.9757,
1.2993

■ 69.4203, 66.7140,
62.7006

■ 0.8917, 0.5933,
0.0612

■ 91.3254, 88.4720,
84.2808

■ 0.0000, 0.0000,
0.0000

117.4125,
114.5105, 110.3188

148.0471,

145.2141, 141.2332

183.5944,
180.9670, 177.4424

■ 16.3137, 14.8002,
12.5866

■ 16.3137, 14.8002,
12.5866

■ 14.7326, 12.5182,
9.3461

■ 18.1612, 17.4479,
16.4313

■ 13.4046, 10.5839,
6.6783

■ 20.2856, 20.4742,
20.9079

■ 12.3166, 8.9807,
4.5499

■ 22.6980, 23.8939,
26.0434

■ 11.4542, 7.6899,
2.9240

■ 25.4086, 27.7206,
31.8630

■ 10.8011, 6.6911,
1.7592

■ 28.4273, 31.9670,
38.3905

■ 10.3391, 5.9611,
1.0071

■ 31.7633, 36.6453,
45.6487

■ 10.0320, 5.4677,
0.5324

■ 35.4255, 41.7673,
53.6591

■ 10.0282, 5.4618,
0.5257

■ 39.4224, 47.3443,
62.4427

■ 43.7624, 53.3870,
72.0194

Harmonies

Analogous

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



16.7380, 14.8002, 15.8652



16.3137, 14.8002, 12.5866



15.2836, 14.8002, 10.5474

Triad

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



16.3137, 14.8002, 12.5866



11.9581, 14.8002, 12.9589



14.1550, 14.8002, 24.4542

Complementary

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



16.3137, 14.8002, 12.5866



16.7691, 19.8006, 25.4922

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.



12.9170, 14.8002, 23.3610



16.3137, 14.8002, 12.5866



11.6967, 14.8002, 16.3672

Square

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



16.3137, 14.8002, 12.5866



12.7742, 14.8002, 10.7378



12.0369, 14.8002, 20.2477



15.4445, 14.8002, 23.0410

Rectangle

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



16.3137, 14.8002, 12.5866



14.4210, 14.8002, 9.9742



12.0369, 14.8002, 20.2477



13.7192, 14.8002, 24.3672

Sweetspot

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



16.3141, 14.8009, 12.5869



36.0028, 36.4451, 37.3919



17.8189, 14.6677, 22.7772



7.9976, 8.0494, 8.1836



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



16.3141, 14.8009, 12.5869



26.7612, 23.2193, 18.1033



18.4091, 18.9910, 13.2852



4.7161, 4.7757, 4.9026



9.4029, 5.1283, 0.4943



0.0354, 0.0234, 0.0026

Inverse Universe

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



16.7691, 19.8006, 25.4922



27.6963, 33.5350, 44.7515



14.4236, 15.1096, 24.7104



4.7533, 5.1822, 5.9505



10.0255, 13.5989, 23.2331



0.0382, 0.0540, 0.0816

Previews

White Background



This preview shows how the XYZ color 16.3137, 14.8002, 12.5866 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 16.3137, 14.8002, 12.5866 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 16.3137, 14.8002, 12.5866

Background



This preview shows how black text looks on a background with the XYZ color 16.3137, 14.8002, 12.5866.



This preview shows how white text looks on a background with the XYZ color 16.3137, 14.8002,

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

16.3137, 14.8002, 12.5866

Protanopia

14.1444, 14.8420, 13.6746

Deuteranopia

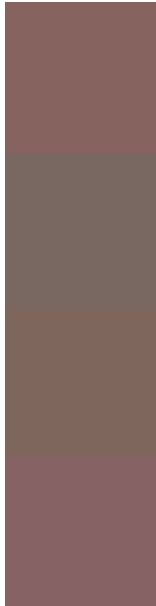
15.0945, 14.9019, 12.4367



Tritanopia

16.8162, 14.7202, 15.3196

Trichromacy



Original Color

16.3137, 14.8002, 12.5866

Protanomaly

14.8537, 14.7568, 13.3747

Deuteranomaly

15.4796, 14.8051, 12.3977

Tritanomaly

16.7083, 14.8258, 14.2930

Monochromacy



Original Color

16.3137, 14.8002, 12.5866

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.0215, 14.9542, 15.1914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3137, 14.8002, 12.5866 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(134, 99, 94)` looks like.

```
.text, #text, p{  
    color:rgb(134, 99, 94)  
}
```

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(134, 99, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 99, 94) }
```

Border

The CSS property to change the border of an element to XYZ 16.3137, 14.8002, 12.5866 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(134, 99, 94) }
```


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

```
.border{ border-color:rgb(134, 99, 94) }
```

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

Here you see how a box with a 4 pixel rgb(134, 99, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 99, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 99, 94);  
box-shadow:4px 4px 4px 4px rgb(134, 99,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3137, 14.8002, 12.5866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 99, 94) }
```

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

```
.background{ background-color: rgb(134, 99,  
94) }
```

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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