

Converting Colors

XYZ(16.7711, 13.8474, 12.0544)

Have a look what the booklet for
XYZ(16.7711, 13.8474, 12.0544)
contains.

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Color

**XYZ(16.7873, 13.8534,
12.1451)**

Conversions

Conversions Part 1

Format	Color
Hex	8E5A5D
RGB	142, 90, 93
RGB Percent	56%, 35%, 36%
CMY	0.4431, 0.6470, 0.6353
CMYK	0.00, 0.37, 0.35, 0.44
HSL	357°, 22%, 45%
HSV	357°, 37%, 56%
XYZ	16.7873, 13.8534, 12.1451
YIQ	105.8900, 30.0290, 11.9570

Conversions

Conversions Part 2

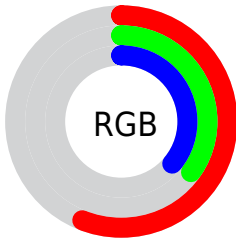
Format	Color
R_{YB}	142, 90, 93
Decimal	9329245
CIE _{Lab}	44.02, 21.82, 7.21
CIE _{LCh}	44, 22.979, 18.291
Yxy	13.8534, 0.3924, 0.3238
Android (android.graphics.Color)	4287519325 (0xFF8E5A5D)
YUV	105.8900, -6.3548, 31.6685
Hunter-Lab	37.2202, 15.3731, 6.7075

Details

The XYZ color **16.7873, 13.8534, 12.1451** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.5503, 23.3841, 27.9632**, and the grayscale version is **13.6809, 14.3933, 15.6743**.

A 20% lighter version of the original color is **37.5088, 32.9032, 30.3606**, and **5.5934, 4.1066, 3.1872** is the 20% darker color. If you saturate the color by 10%, you get **15.1602, 11.4662, 8.9300**, and if you desaturate by 10%, it is **18.7477, 16.7411, 15.9833**.

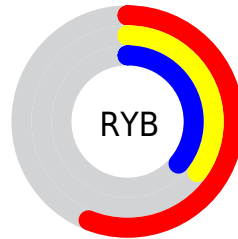
Distribution



Red (56%)

Green (35%)

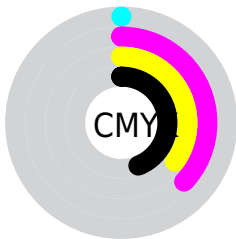
Blue (36%)



Red (56%)

Yellow (35%)

Blue (36%)

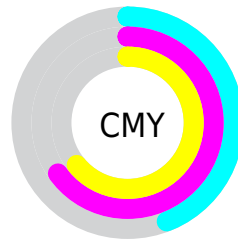


Cyan (0%)

Magenta (37%)

Yellow (35%)

Black (44%)



Cyan (44%)

Magenta (65%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7873, 13.8534, 12.1451 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 16.7873, 13.8534, 12.1451 by changing the saturation by 10% instead.

■ 16.7873, 13.8534,
12.1451

■ 16.7873, 13.8534,
12.1451

227.1239,
216.3169, 216.3754

■ 10.1773, 8.0188,
6.7188

■ 37.5062, 32.8287,
30.4274

■ 5.5799, 4.1070,
3.2111

■ 52.3459, 46.7381,
44.1206

■ 2.6295, 1.7336,
1.2034

■ 70.6595, 64.1080,
61.4065

■ 0.9610, 0.4453,
0.0000

■ 92.8123, 85.3226,
82.7036

■ 0.0000, 0.0000,
0.0000

■ 119.1699,
110.7664, 108.4305

150.0974,

140.8238, 139.0058

185.9603,
175.8792, 174.8479

■ 16.7873, 13.8534,
12.1451

■ 16.7873, 13.8534,
12.1451

■ 15.1602, 11.4662,
8.9300

■ 18.7477, 16.7411,
15.9833

■ 13.8469, 9.5493,
6.3044

■ 21.0573, 20.1533,
20.4744

■ 12.8274, 8.0720,
4.2328

■ 23.7324, 24.1150,
25.6468

■ 12.0790, 6.9995,
2.6753

■ 26.7880, 28.6490,
31.5274

■ 11.5758, 6.2917,
1.5870

■ 30.2381, 33.7767,
38.1416

■ 11.2783, 5.8834,
0.9123

■ 34.0960, 39.5185,
45.5132

■ 11.2002, 5.7688,
0.7582

■ 38.3745, 45.8938,
53.6654

■ 43.0857, 52.9211,
62.6200

■ 48.2415, 60.6182,
72.3983

Harmonies

Analogous

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



16.9102, 13.8534, 17.2164



16.7873, 13.8534, 12.1451



15.6423, 13.8534, 8.7575

Triad

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



16.7873, 13.8534, 12.1451



10.7178, 13.8534, 9.3376



12.4680, 13.8534, 27.2173

Complementary

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



16.7873, 13.8534, 12.1451



18.5503, 23.3841, 27.9632

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.



10.9681, 13.8534, 23.8974



16.7873, 13.8534, 12.1451



10.0219, 13.8534, 13.1354

Square

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



16.7873, 13.8534, 12.1451



12.0965, 13.8534, 7.4136



10.1090, 13.8534, 18.4624



14.2994, 13.8534, 26.7771

Rectangle

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



16.7873, 13.8534, 12.1451



14.5081, 13.8534, 7.5420



10.1090, 13.8534, 18.4624



11.9116, 13.8534, 26.4778

Sweetspot

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



16.7877, 13.8541, 12.1454



39.5928, 39.1800, 40.8673



19.1088, 14.7149, 27.4244



8.7211, 8.5702, 8.8917



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.



16.7877, 13.8541, 12.1454



27.1822, 20.8765, 16.6375



18.8544, 18.1959, 12.1921



5.4207, 5.4288, 5.7134



10.0585, 5.1804, 0.6935



0.0982, 0.0503, 0.0172

Inverse Universe

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



16.7877, 13.8541, 12.1454



27.1822, 20.8765, 16.6375



15.7520, 17.4323, 28.1259



5.4207, 5.4288, 5.7134



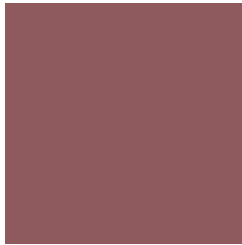
10.0585, 5.1804, 0.6935



0.0982, 0.0503, 0.0172

Previews

White Background



This preview shows how the XYZ color 16.7873, 13.8534, 12.1451 looks on a white background.

Color Contrast Check

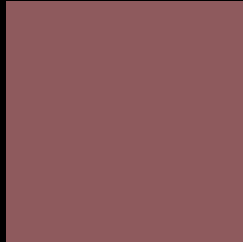
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7873, 13.8534, 12.1451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

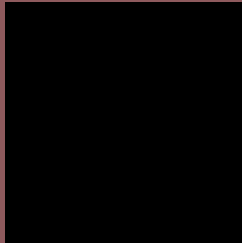
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.7873, 13.8534, 12.1451

Background



This preview shows how black text looks on a background with the XYZ color 16.7873, 13.8534, 12.1451.



This preview shows how white text looks on a background with the XYZ color 16.7873, 13.8534,

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

16.7873, 13.8534, 12.1451

Protanopia

13.3140, 13.9465, 14.0468

Deuteranopia

14.1498, 13.9846, 11.8511



Tritanopia

16.8390, 13.7401, 12.8309

Trichromacy



Original Color

16.7873, 13.8534, 12.1451

Protanomaly

14.3652, 13.7798, 13.2119

Deuteranomaly

14.9589, 13.8341, 12.0070

Tritanomaly

16.7933, 13.7218, 12.5899

Monochromacy



Original Color

16.7873, 13.8534, 12.1451

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.5139, 13.9759, 14.2446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7873, 13.8534, 12.1451 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, 90, 93)` looks like.

```
.text, #text, p{  
    color:rgb(142, 90, 93)  
}
```

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, 90, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 90, 93) }
```

Border

The CSS property to change the border of an element to XYZ 16.7873, 13.8534, 12.1451 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, 90, 93) }
```


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

```
.border{ border-color:rgb(142, 90, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 90, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 90, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 90, 93);  
box-shadow:4px 4px 4px 4px rgb(142, 90,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7873, 13.8534, 12.1451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 90, 93) }
```

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

```
.background{ background-color: rgb(142, 90,  
93) }
```

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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