

Converting Colors

XYZ(16.3330, 13.8382, 6.3302)

Have a look what the booklet for
XYZ(16.3330, 13.8382, 6.3302)
contains.

XYZ(16.2876, 13.8497, 6.3722)	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(16.2876, 13.8497,
6.3722)**

Conversions

Conversions Part 1

Format	Color
Hex	915B3E
RGB	145, 91, 62
RGB Percent	57%, 36%, 24%
CMY	0.4314, 0.6431, 0.7569
CMYK	0.00, 0.37, 0.57, 0.43
HSL	21°, 40%, 41%
HSV	21°, 57%, 57%
XYZ	16.2876, 13.8497, 6.3722
YIQ	103.8400, 41.4930, 2.4290

Conversions

Conversions Part 2

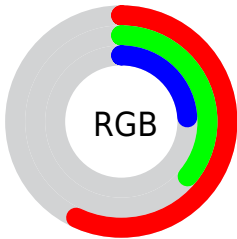
Format	Color
R_{YB}	145, 107, 62
Decimal	9526078
CIE _{Lab}	44.02, 19.03, 25.83
CIE _{LCh}	44, 32.080, 53.618
Y _{xy}	13.8497, 0.4461, 0.3793
Android (android.graphics.Color)	4287716158 (0xFF915B3E)
YUV	103.8400, -20.6271, 36.0973
Hunter-Lab	37.2152, 12.9957, 15.8987

Details

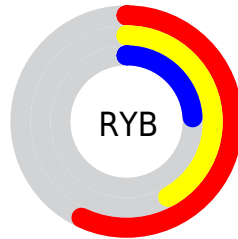
The XYZ color **16.2876, 13.8497, 6.3722** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.3424, 15.5583, 29.0877**, and the grayscale version is **13.1612, 13.8467, 15.0790**.

A 20% lighter version of the original color is **36.8446, 33.0283, 19.1850**, and **5.3620, 4.1446, 1.0896** is the 20% darker color. If you saturate the color by 10%, you get **15.1853, 12.1991, 4.2969**, and if you desaturate by 10%, it is **17.5982, 15.7469, 9.0410**.

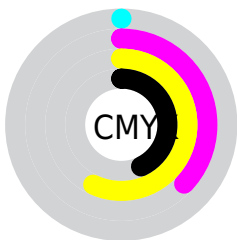
Distribution



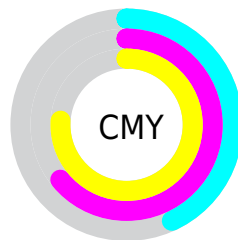
- Red (57%)
- Green (36%)
- Blue (24%)



- Red (57%)
- Yellow (42%)
- Blue (24%)



- Cyan (0%)
- Magenta (37%)
- Yellow (57%)
- Black (43%)





- Cyan (43%)
- Magenta (64%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.2876, 13.8497, 6.3722 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 16.2876, 13.8497, 6.3722 by changing the saturation by 10% instead.

 16.2876, 13.8497,
6.3722


 16.2876, 13.8497,
6.3722


224.2700,
216.2938, 171.7682


 9.8200, 8.0162,
3.0003


 36.6502, 32.8221,
19.1895

 5.3411, 4.1053,
1.0948


 51.2759, 46.7298,
29.4720


 2.4856, 1.7327,
0.0000

 69.3518, 64.0977,
42.8951

 0.8880, 0.4447,
0.0000

 91.2431, 85.3102,
59.8773

 0.0000, 0.0000,
0.0000

 117.3152,
110.7516, 80.8371

 147.9335,

140.8064, 106.1932

183.4633,
175.8590, 136.3641

■ 16.2876, 13.8497,
6.3722

■ 16.2876, 13.8497,
6.3722

■ 15.1853, 12.1991,
4.2969

■ 17.5982, 15.7469,
9.0410

■ 14.2778, 10.7821,
2.7675

■ 19.1273, 17.8989,
12.3444

■ 13.5515, 9.5875,
1.7303

■ 20.8856, 20.3159,
16.3205

■ 12.9844, 8.5996,
1.0904

■ 22.8827, 23.0069,
21.0042

■ 12.8464, 8.3586,
0.9363

■ 25.1278, 25.9805,
26.4281

■ 27.6294, 29.2449,
32.6226

■ 30.3957, 32.8079,
39.6164

■ 33.4344, 36.6771,
47.4369

■ 36.7529, 40.8597,
56.1099

Harmonies

Analogous

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



18.1800, 13.8497, 10.1299



16.2876, 13.8497, 6.3722



13.7157, 13.8497, 4.9949

Triad

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



16.2876, 13.8497, 6.3722



8.8719, 13.8497, 13.5739



15.2248, 13.8497, 31.9267

Complementary

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



16.2876, 13.8497, 6.3722



13.3424, 15.5583, 29.0877

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.



12.6268, 13.8497, 33.7542



16.2876, 13.8497, 6.3722



9.1671, 13.8497, 21.4258

Square

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



16.2876, 13.8497, 6.3722



9.6016, 13.8497, 8.1966



10.4672, 13.8497, 29.4244



17.5132, 13.8497, 25.0233

Rectangle

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



16.2876, 13.8497, 6.3722



12.0440, 13.8497, 5.1434



10.4672, 13.8497, 29.4244



14.3507, 13.8497, 33.2310

Sweetspot

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



16.2879, 13.8504, 6.3725



40.9368, 41.1447, 37.5130



16.6302, 10.7572, 18.1324



8.9614, 8.9586, 7.9999



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



16.2879, 13.8504, 6.3725



26.6382, 20.9908, 6.7172



20.6852, 22.6448, 7.8382



5.5534, 5.7131, 5.6994



11.0415, 7.2146, 0.8106



0.1248, 0.1074, 0.0142

Inverse Universe

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



13.3424, 15.5583, 29.0877



20.7794, 24.2810, 51.5651



9.6705, 8.2145, 27.8637



5.4038, 5.8034, 6.8641



7.8671, 8.7202, 24.2456



0.0959, 0.1248, 0.2387

Previews

White Background



This preview shows how the XYZ color 16.2876, 13.8497, 6.3722 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 16.2876, 13.8497, 6.3722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

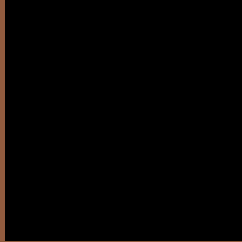
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.2876, 13.8497, 6.3722

Background



This preview shows how black text looks on a background with the XYZ color 16.2876, 13.8497, 6.3722.



This preview shows how white text looks on a background with the XYZ color 16.2876, 13.8497,

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

16.2876, 13.8497, 6.3722

Protanopia

12.9029, 13.8833, 7.3099

Deuteranopia

14.1252, 13.9526, 6.2236



Tritanopia

17.4166, 13.8097, 12.1035

Trichromacy



Original Color

16.2876, 13.8497, 6.3722

Protanomaly

13.8734, 13.6653, 6.9075

Deuteranomaly

14.9485, 13.9546, 6.3205

Tritanomaly

16.8668, 13.6996, 9.7380

Monochromacy



Original Color

16.2876, 13.8497, 6.3722

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.8728, 13.5669, 11.3387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2876, 13.8497, 6.3722 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(145, 91, 62)` looks like.

```
.text, #text, p{  
    color:rgb(145, 91, 62)  
}
```

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(145, 91, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 91, 62) }
```

Border

The CSS property to change the border of an element to XYZ 16.2876, 13.8497, 6.3722 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(145, 91, 62) }
```


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

```
.border{ border-color:rgb(145, 91, 62) }
```

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

Here you see how a box with a 4 pixel rgb(145, 91, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 91, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 91, 62);  
box-shadow:4px 4px 4px 4px rgb(145, 91,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2876, 13.8497, 6.3722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 91, 62) }
```

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

```
.background{ background-color: rgb(145, 91,  
62) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor