

Converting Colors

XYZ(17.6807, 13.1578, 8.2171)

Have a look what the booklet for
XYZ(17.6807, 13.1578, 8.2171)
contains.

XYZ(17.5836, 13.0685, 8.2523)	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(17.5836, 13.0685,
8.2523)**

Conversions

Conversions Part 1

Format	Color
Hex	9B4F4B
RGB	155, 79, 75
RGB Percent	61%, 31%, 29%
CMY	0.3922, 0.6902, 0.7059
CMYK	0.00, 0.49, 0.52, 0.39
HSL	3°, 35%, 45%
HSV	3°, 52%, 61%
XYZ	17.5836, 13.0685, 8.2523
YIQ	101.2680, 46.5800, 14.8680

Conversions

Conversions Part 2

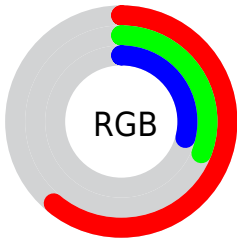
Format	Color
R_{YB}	155, 79, 75
Decimal	10178379
CIE Lab	42.87, 31.17, 16.86
CIE LCh	43, 35.432, 28.405
Yxy	13.0685, 0.4520, 0.3359
Android (android.graphics.Color)	4288368459 (0xFF9B4F4B)
YUV	101.2680, -12.9501, 47.1230
Hunter-Lab	36.1504, 23.5595, 11.7707

Details

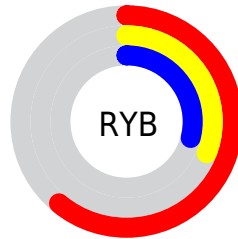
The XYZ color **17.5836, 13.0685, 8.2523** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **19.8841, 25.9945, 34.9799**, and the grayscale version is **12.4633, 13.1123, 14.2793**.

A 20% lighter version of the original color is **38.7721, 31.4175, 23.0895**, and **5.9928, 3.7882, 1.7117** is the 20% darker color. If you saturate the color by 10%, you get **16.1693, 10.9880, 5.4747**, and if you desaturate by 10%, it is **19.3631, 15.6725, 11.7895**.

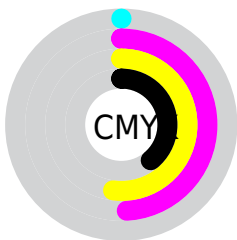
Distribution



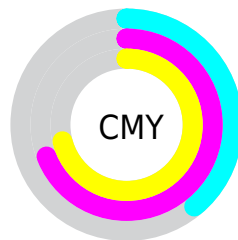
- Red (61%)
- Green (31%)
- Blue (29%)



- Red (61%)
- Yellow (31%)
- Blue (29%)



- Cyan (0%)
- Magenta (49%)
- Yellow (52%)
- Black (39%)





- Cyan (39%)
- Magenta (69%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5836, 13.0685, 8.2523 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 17.5836, 13.0685, 8.2523 by changing the saturation by 10% instead.


 17.5836, 13.0685,
8.2523


 17.5836, 13.0685,
8.2523


231.6047,
211.3562, 187.7056


 10.7493, 7.4757,
4.1667


 38.8622, 31.4268,
23.0059


 5.9646, 3.7614,
1.7173


 54.0372, 44.9611,
34.5110


 2.8640, 1.5410,
0.3725

 72.7231, 61.9114,
49.3263

 1.0823, 0.3173,
0.0000

 95.2854, 82.6620,
67.8704

 0.0102, 0.0000,
0.0000

 122.0893,
107.5975, 90.5619

 0.0000, 0.0000,
0.0000

153.5003,

137.1020, 117.8192

189.8836,
171.5601, 150.0609

■ 17.5836, 13.0685,
8.2523

■ 17.5836, 13.0685,
8.2523

■ 16.1693, 10.9880,
5.4747

■ 19.3631, 15.6725,
11.7895

■ 15.0939, 9.3938,
3.4006

■ 21.5296, 18.8301,
16.1357

■ 14.3293, 8.2470,
1.9669

■ 24.1046, 22.5713,
21.3368

■ 13.8423, 7.5017,
1.0992

■ 27.1074, 26.9234,
27.4352

■ 13.6018, 7.1370,
0.6607

■ 30.5563, 31.9122,
34.4704

■ 34.4685, 37.5616,
42.4796

■ 38.8603, 43.8947,
51.4979

■ 43.7471, 50.9333,
61.5587

■ 49.1437, 58.6980,
72.6939

Harmonies

Analogous

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



18.3827, 13.0685, 14.6483



17.5836, 13.0685, 8.2523



15.3518, 13.0685, 4.9361

Triad

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



17.5836, 13.0685, 8.2523



8.4952, 13.0685, 7.7626



12.2769, 13.0685, 34.9297

Complementary

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



17.5836, 13.0685, 8.2523



19.8841, 25.9945, 34.9799

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.



9.8896, 13.0685, 31.0719



17.5836, 13.0685, 8.2523



7.9119, 13.0685, 13.8185

Square

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



17.5836, 13.0685, 8.2523



10.1067, 13.0685, 4.7341



8.3833, 13.0685, 22.5611



15.0646, 13.0685, 31.7754

Rectangle

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



17.5836, 13.0685, 8.2523



13.4968, 13.0685, 4.0541



8.3833, 13.0685, 22.5611



11.4044, 13.0685, 34.3896

Sweetspot

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



17.5839, 13.0692, 8.2525



46.4761, 45.2185, 44.9229



21.6197, 14.2352, 30.8864



10.2795, 9.8870, 9.6804



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



17.5839, 13.0692, 8.2525



28.6104, 19.1657, 9.1298



21.3845, 20.6703, 9.5194



6.2324, 6.2698, 6.4876



10.9336, 5.7496, 0.5335



0.1692, 0.0975, 0.0099

Inverse Universe

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



19.8841, 25.9945, 34.9799



33.1799, 44.9169, 62.4574



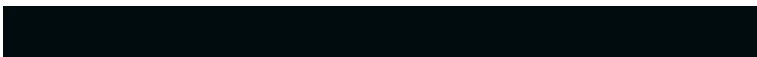
14.5026, 15.2314, 33.1860



6.3581, 6.9736, 7.9399



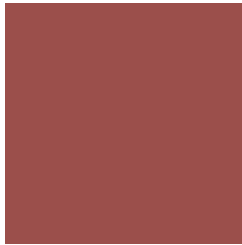
13.1713, 18.7392, 27.8305



0.2039, 0.2941, 0.4184

Previews

White Background



This preview shows how the XYZ color 17.5836, 13.0685, 8.2523 looks on a white background.

Color Contrast Check

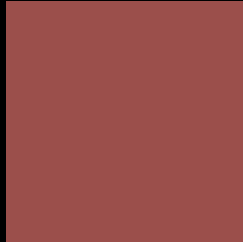
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.5836, 13.0685, 8.2523 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 17.5836, 13.0685, 8.2523

Background



This preview shows how black text looks on a background with the XYZ color 17.5836, 13.0685, 8.2523.

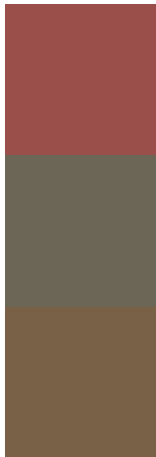


This preview shows how white text looks on a background with the XYZ color 17.5836, 13.0685,

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

17.5836, 13.0685, 8.2523

Protanopia

12.4545, 13.2844, 10.5021

Deuteranopia

13.3296, 13.0822, 7.9535



Tritanopia

17.9960, 13.1412, 9.7716

Trichromacy



Original Color

17.5836, 13.0685, 8.2523

Protanomaly

13.8001, 12.8846, 9.5442

Deuteranomaly

14.5316, 12.7799, 8.0042

Tritanomaly

17.8827, 13.0959, 9.1747

Monochromacy



Original Color

17.5836, 13.0685, 8.2523

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.7313, 12.6664, 11.8463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5836, 13.0685, 8.2523 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(155, 79, 75)` looks like.

```
.text, #text, p{  
    color:rgb(155, 79, 75)  
}
```

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(155, 79, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 79, 75) }
```

Border

The CSS property to change the border of an element to XYZ 17.5836, 13.0685, 8.2523 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(155, 79, 75) }
```


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

```
.border{ border-color:rgb(155, 79, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 79, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 79, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 79, 75);  
box-shadow:4px 4px 4px 4px rgb(155, 79,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5836, 13.0685, 8.2523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 79, 75) }
```

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

```
.background{ background-color: rgb(155, 79,  
75) }
```

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