

Converting Colors

XYZ(17.8199, 16.1281, 16.2903)

Have a look what the booklet for
XYZ(17.8199, 16.1281, 16.2903)
contains.

XYZ(17.8735, 16.1016, 16.3532)	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(17.8735, 16.1016,
16.3532)**

Conversions

Conversions Part 1

Format	Color
Hex	89676C
RGB	137, 103, 108
RGB Percent	54%, 40%, 42%
CMY	0.4627, 0.5961, 0.5765
CMYK	0.00, 0.25, 0.21, 0.46
HSL	351°, 14%, 47%
HSV	351°, 25%, 54%
XYZ	17.8735, 16.1016, 16.3532
YIQ	113.7360, 18.6590, 8.7630

Conversions

Conversions Part 2

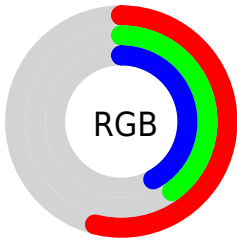
Format	Color
R_{YB}	137, 103, 108
Decimal	9004908
CIE _{Lab}	47.11, 14.44, 2.50
CIE _{LCh}	47, 14.656, 9.802
Yxy	16.1016, 0.3551, 0.3199
Android (android.graphics.Color)	4287194988 (0xFF89676C)
YUV	113.7360, -2.8278, 20.4025
Hunter-Lab	40.1268, 9.2866, 3.9258

Details

The XYZ color **17.8735, 16.1016, 16.3532** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.7047, 22.4411, 25.1766**, and the grayscale version is **15.9198, 16.7489, 18.2396**.

A 20% lighter version of the original color is **39.2995, 36.6908, 37.8116**, and **6.0942, 5.1437, 5.0865** is the 20% darker color. If you saturate the color by 10%, you get **16.0400, 13.3641, 12.8765**, and if you desaturate by 10%, it is **20.0145, 19.3205, 20.3442**.

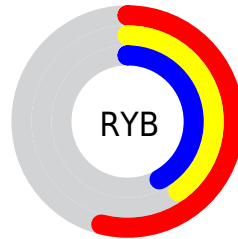
Distribution



Red (54%)

Green (40%)

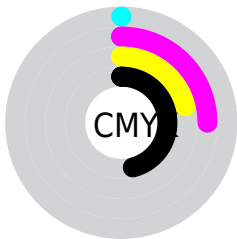
Blue (42%)



Red (54%)

Yellow (40%)

Blue (42%)

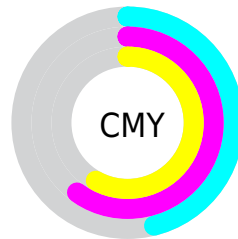


Cyan (0%)

Magenta (25%)

Yellow (21%)

Black (46%)



Cyan (46%)


Magenta (60%)


Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8735, 16.1016, 16.3532 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 17.8735, 16.1016, 16.3532 by changing the saturation by 10% instead.


 17.8735, 16.1016,
16.3532


 17.8735, 16.1016,
16.3532


233.2165,
229.9405, 243.3334

 10.9583, 9.5961,
9.6174


 39.3534, 36.7745,
37.9856


 6.1059, 5.1320,
5.0437


 54.6489, 51.7107,
53.7192

 2.9509, 2.3249,
2.2138

 73.4685, 70.2258,
73.2892

 1.1278, 0.7868,
0.6823

 96.1777, 92.7044,
97.1141

 0.0482, 0.0000,
0.0000

123.1417,
119.5307, 125.6124

 0.0000, 0.0000,
0.0000

154.7259,

151.0893, 159.2027

191.2957,
187.7644, 198.3035

■ 17.8735, 16.1016,
16.3532

■ 17.8735, 16.1016,
16.3532

■ 16.0400, 13.3641,
12.8765

■ 20.0145, 19.3205,
20.3442

■ 14.4987, 11.0828,
9.8921

■ 22.4751, 23.0401,
24.8682

■ 13.2346, 9.2334,
7.3779

■ 25.2679, 27.2813,
29.9444

■ 12.2310, 7.7887,
5.3097

■ 28.4050, 32.0632,
35.5904

■ 11.4695, 6.7180,
3.6613

■ 31.8974, 37.4039,
41.8232

■ 10.9290, 5.9867,
2.4033

■ 35.7559, 43.3207,
48.6592

■ 10.5823, 5.5480,
1.5019

■ 39.9908, 49.8301,
56.1140

■ 10.4440, 5.3693,
1.1541

■ 44.6117, 56.9480,
64.2027

■ 49.6284, 64.6895,
72.9398

Harmonies

Analogous

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



17.7452, 16.1016, 20.0936



17.8735, 16.1016, 16.3532



17.2844, 16.1016, 13.3765

Triad

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



17.8735, 16.1016, 16.3532



13.7745, 16.1016, 12.6328



14.4658, 16.1016, 25.0570

Complementary

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



17.8735, 16.1016, 16.3532



18.7047, 22.4411, 25.1766

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.



13.4811, 16.1016, 22.4695



17.8735, 16.1016, 16.3532



13.0978, 16.1016, 15.1978

Square

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



17.8735, 16.1016, 16.3532



14.8868, 16.1016, 11.4362



12.9935, 16.1016, 18.7659



15.7291, 16.1016, 25.4810

Rectangle

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



17.8735, 16.1016, 16.3532



16.5824, 16.1016, 12.0938



12.9935, 16.1016, 18.7659



14.0932, 16.1016, 24.3958

Sweetspot

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



17.8739, 16.1023, 16.3535



39.1653, 39.6197, 42.5516



18.8661, 16.4049, 25.8390



8.7370, 8.8144, 9.4568



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.



17.8739, 16.1023, 16.3535



30.0236, 25.8673, 25.5359



18.8845, 18.5369, 15.4156



5.0609, 5.0598, 5.4092



9.7316, 5.0028, 1.0910



0.0679, 0.0346, 0.0246

Inverse Universe

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



17.8739, 16.1023, 16.3535



30.0236, 25.8673, 25.5359



17.4558, 19.3828, 26.4881



5.0609, 5.0598, 5.4092



9.7316, 5.0028, 1.0910



0.0679, 0.0346, 0.0246

Previews

White Background



This preview shows how the XYZ color 17.8735, 16.1016, 16.3532 looks on a white background.

Color Contrast Check

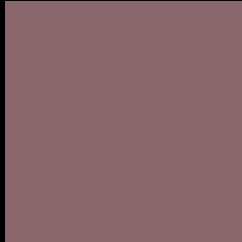
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8735, 16.1016, 16.3532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

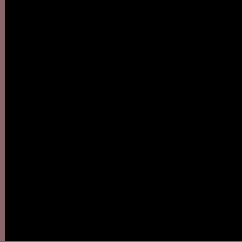
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.8735, 16.1016, 16.3532

Background



This preview shows how black text looks on a background with the XYZ color 17.8735, 16.1016, 16.3532.



This preview shows how white text looks on a background with the XYZ color 17.8735, 16.1016,

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

17.8735, 16.1016, 16.3532

Protanopia

15.6045, 16.1385, 17.9154

Deuteranopia

16.4739, 16.1466, 16.1583



Tritanopia

18.0360, 16.1666, 17.2088

Trichromacy



Original Color

17.8735, 16.1016, 16.3532

Protanomaly

16.2578, 16.0104, 17.2724

Deuteranomaly

16.8611, 16.0367, 16.1166

Tritanomaly

17.9812, 16.1446, 16.9204

Monochromacy



Original Color

17.8735, 16.1016, 16.3532

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.5266, 16.4593, 17.6351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8735, 16.1016, 16.3532 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(137, 103, 108)` looks like.

```
.text, #text, p{  
    color:rgb(137, 103, 108)  
}
```

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(137, 103, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 103, 108) }
```

Border

The CSS property to change the border of an element to XYZ 17.8735, 16.1016, 16.3532 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(137, 103, 108) }
```


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

```
.border{ border-color:rgb(137, 103, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 103, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 103, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 103, 108);  
box-shadow:4px 4px 4px 4px rgb(137, 103,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8735, 16.1016, 16.3532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 103, 108) }
```

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

```
.background{ background-color: rgb(137,  
103, 108) }
```

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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