

Converting Colors

XYZ(16.7964, 17.5021, 10.8836)

Have a look what the booklet for
XYZ(16.7964, 17.5021, 10.8836)
contains.

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Color

**XYZ(16.7842, 17.5687,
10.8940)**

Conversions

Conversions Part 1

Format	Color
Hex	817354
RGB	129, 115, 84
RGB Percent	51%, 45%, 33%
CMY	0.4941, 0.5490, 0.6706
CMYK	0.00, 0.11, 0.35, 0.49
HSL	41°, 21%, 42%
HSV	41°, 35%, 51%
XYZ	16.7842, 17.5687, 10.8940
YIQ	115.6520, 18.2950, -6.6730

Conversions

Conversions Part 2

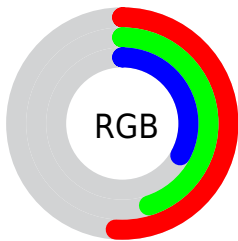
Format	Color
RYB	104, 129, 84
Decimal	8483668
CIELab	48.97, 0.48, 19.17
CIELCh	49, 19.173, 88.571
Yxy	17.5687, 0.3709, 0.3883
Android (android.graphics.Color)	4286673748 (0xFF817354)
YUV	115.6520, -15.6044, 11.7062
Hunter-Lab	41.9150, -1.8739, 13.9307

Details

The XYZ color **16.7842, 17.5687, 10.8940** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11.9861, 12.2047, 22.4928**, and the grayscale version is **16.5366, 17.3978, 18.9462**.

A 20% lighter version of the original color is **37.6502, 39.4259, 28.1798**, and **5.5815, 5.8165, 2.6622** is the 20% darker color. If you saturate the color by 10%, you get **15.8773, 16.4903, 8.3244**, and if you desaturate by 10%, it is **17.8050, 18.7258, 13.9611**.

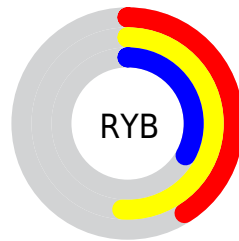
Distribution



Red (51%)

Green (45%)

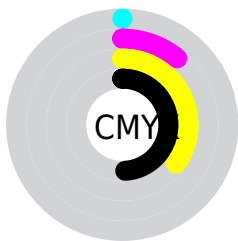
Blue (33%)



Red (41%)

Yellow (51%)

Blue (33%)

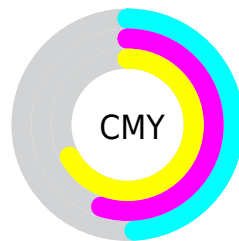


Cyan (0%)

Magenta (11%)

Yellow (35%)

Black (49%)



Cyan (49%)

Magenta (55%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7842, 17.5687, 10.8940 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 16.7842, 17.5687, 10.8940 by changing the saturation by 10% instead.

■ 16.7842, 17.5687,
10.8940

■ 16.7842, 17.5687,
10.8940

227.1063,
238.4287, 207.6501

■ 10.1751, 10.6408,
5.8823

■ 37.5009, 39.3010,
28.0976

■ 5.5784, 5.8258,
2.7060

■ 52.3393, 54.8742,
41.1267

■ 2.6286, 2.7395,
0.9465

■ 70.6514, 74.0979,
57.6653

■ 0.9606, 0.9973,
0.0000

■ 92.8026, 97.3566,
78.1319

■ 0.0000, 0.0000,
0.0000

■ 119.1584,
125.0346, 102.9452

150.0840,

157.5164, 132.5236

185.9449,
195.1863, 167.2858

■ 16.7842, 17.5687,
10.8940

■ 16.7842, 17.5687,
10.8940

■ 15.8773, 16.4903,
8.3244

■ 17.8050, 18.7258,
13.9611

■ 15.0776, 15.4856,
6.2242

■ 18.9433, 19.9615,
17.5497

■ 14.3796, 14.5527,
4.5642

■ 20.2043, 21.2789,
21.6833

■ 13.7769, 13.6886,
3.3113

■ 21.5923, 22.6802,
26.3839

■ 13.2621, 12.8898,
2.4278

■ 23.1114, 24.1673,
31.6720

■ 12.8244, 12.1517,
1.8592

■ 24.7656, 25.7422,
37.5674

■ 12.6153, 11.7913,
1.6110

■ 26.5586, 27.4068,
44.0887

■ 28.4941, 29.1629,
51.2538

■ 30.5754, 31.0121,
59.0799

Harmonies

Analogous

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



18.5516, 17.5687, 11.9122



16.7842, 17.5687, 10.8940



15.1113, 17.5687, 11.7345

Triad

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



16.7842, 17.5687, 10.8940



13.8638, 17.5687, 24.2221



19.7995, 17.5687, 24.7221

Complementary

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



16.7842, 17.5687, 10.8940



11.9861, 12.2047, 22.4928

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.



18.3931, 17.5687, 29.1177



16.7842, 17.5687, 10.8940



14.9732, 17.5687, 28.7948

Square

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



16.7842, 17.5687, 10.8940



13.4991, 17.5687, 18.8854



16.6131, 17.5687, 30.7252



20.3673, 17.5687, 19.3753

Rectangle

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



16.7842, 17.5687, 10.8940



14.2567, 17.5687, 13.3380



16.6131, 17.5687, 30.7252



19.4044, 17.5687, 26.3929

Sweetspot

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



16.7846, 17.5695, 10.8944



34.9454, 36.8250, 34.7448



14.4401, 11.8945, 13.1522



7.8505, 8.2731, 7.6709



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



16.7846, 17.5695, 10.8944



28.7262, 29.8871, 15.7147



17.3007, 20.3875, 11.4111



4.5560, 4.8008, 4.6066



12.3039, 11.5042, 1.5720



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.9861, 12.2047, 22.4928



18.7598, 18.7505, 39.8230



11.5716, 10.2141, 22.1304



4.2095, 4.4131, 5.4432



4.6107, 3.0399, 20.5937



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.7842, 17.5687, 10.8940 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 16.7842, 17.5687, 10.8940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

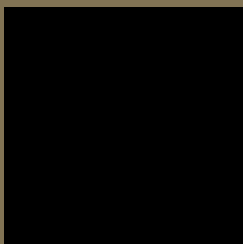
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.7842, 17.5687, 10.8940

Background



This preview shows how black text looks on a background with the XYZ color 16.7842, 17.5687, 10.8940.



This preview shows how white text looks on a background with the XYZ color 16.7842, 17.5687,

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

16.7842, 17.5687, 10.8940

Protanopia

16.3425, 17.5066, 11.1121

Deuteranopia

17.9151, 17.6475, 11.0564



Tritanopia

18.5786, 17.4703, 19.8457

Trichromacy



Original Color

16.7842, 17.5687, 10.8940

Protanomaly

16.4893, 17.5823, 11.1190

Deuteranomaly

17.5365, 17.6170, 11.0705

Tritanomaly

17.9114, 17.5345, 16.0761

Monochromacy



Original Color

16.7842, 17.5687, 10.8940

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.6292, 17.5552, 15.6087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7842, 17.5687, 10.8940 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(129, 115, 84)` looks like.

```
.text, #text, p{  
    color:rgb(129, 115, 84)  
}
```

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(129, 115, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 115, 84) }
```

Border

The CSS property to change the border of an element to XYZ 16.7842, 17.5687, 10.8940 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(129, 115, 84) }
```


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

```
.border{ border-color:rgb(129, 115, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 115, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 115, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 115, 84);  
box-shadow:4px 4px 4px 4px rgb(129, 115,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7842, 17.5687, 10.8940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 115, 84) }
```

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

```
.background{ background-color: rgb(129,  
115, 84) }
```

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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