

Converting Colors

XYZ(13.9833, 17.7725, 16.8357)

Have a look what the booklet for
XYZ(13.9833, 17.7725, 16.8357)
contains.

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Color

**XYZ(13.9709, 17.7762,
16.8822)**

Conversions

Conversions Part 1

Format	Color
Hex	577D6C
RGB	87, 125, 108
RGB Percent	34%, 49%, 42%
CMY	0.6588, 0.5098, 0.5765
CMYK	0.30, 0.00, 0.14, 0.51
HSL	153°, 18%, 42%
HSV	153°, 30%, 49%
XYZ	13.9709, 17.7762, 16.8822
YIQ	111.7000, -17.1910, -13.3430

Conversions

Conversions Part 2

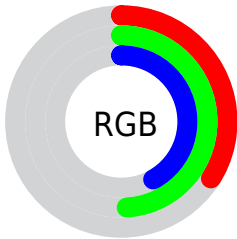
Format	Color
R_{YB}	87, 111, 125
Decimal	5733740
CIE _{Lab}	49.22, -17.26, 5.01
CIE _{LCh}	49, 17.973, 163.816
Yxy	17.7762, 0.2873, 0.3655
Android (android.graphics.Color)	4283923820 (0xFF577D6C)
YUV	111.7000, -1.8241, -21.6619
Hunter-Lab	42.1618, -14.6348, 5.7727

Details

The XYZ color **13.9709, 17.7762, 16.8822** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **14.3650, 12.1763, 14.6906**, and the grayscale version is **15.3224, 16.1204, 17.5551**.

A 20% lighter version of the original color is **32.6596, 39.7473, 38.7515**, and **4.2634, 5.9371, 5.3362** is the 20% darker color. If you saturate the color by 10%, you get **12.6153, 17.1111, 15.3148**, and if you desaturate by 10%, it is **15.5487, 18.5546, 18.5605**.

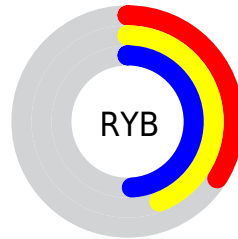
Distribution



Red (34%)

Green (49%)

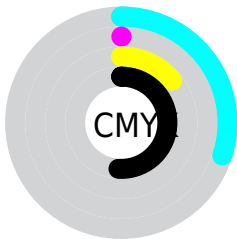
Blue (42%)



Red (34%)

Yellow (44%)

Blue (49%)

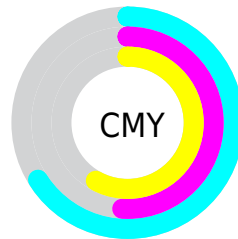


Cyan (30%)

Magenta (0%)

Yellow (14%)

Black (51%)



Cyan (66%)

Magenta (51%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9709, 17.7762, 16.8822 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 13.9709, 17.7762, 16.8822 by changing the saturation by 10% instead.

■ 13.9709, 17.7762,
16.8822

■ 13.9709, 17.7762,
16.8822

210.5640,
239.6066, 246.5135

■ 8.1820, 10.7894,
9.9895

■ 32.6241, 39.6556,
38.9110

■ 4.2644, 5.9254,
5.2865

■ 46.2191, 55.3170,
54.8841

■ 1.8528, 2.7998,
2.3546

■ 63.1468, 74.6388,
74.7212

■ 0.5492, 1.0281,
0.7616

■ 83.7726, 98.0053,
98.8406

■ 0.0000, 0.0000,
0.0000

■ 108.4619,
125.8009, 127.6611

137.5800,

158.4101, 161.6010

171.4922,
196.2172, 201.0790

■ 13.9709, 17.7762,
16.8822

■ 13.9709, 17.7762,
16.8822

■ 12.6153, 17.1111,
15.3148

■ 15.5487, 18.5546,
18.5605

■ 11.4697, 16.5517,
13.8546

■ 17.3573, 19.4492,
20.3507

■ 10.5228, 16.0926,
12.4997

■ 19.4064, 20.4655,
22.2554

■ 9.7618, 15.7272,
11.2475

■ 21.7051, 21.6082,
24.2768

■ 9.1720, 15.4480,
10.0952

■ 24.2617, 22.8814,
26.4169

■ 8.7367, 15.2465,
9.0400

■ 27.0841, 24.2893,
28.6777

■ 8.4105, 15.0985,
8.1139

■ 30.1800, 25.8357,
31.0612

■ 33.5567, 27.5245,
33.5692

■ 37.2214, 29.3592,
36.2037

Harmonies

Analogous

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



14.7501, 17.7762, 13.4015



13.9709, 17.7762, 16.8822



13.9404, 17.7762, 21.6572

Triad

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



13.9709, 17.7762, 16.8822



17.6815, 17.7762, 29.8380



19.3434, 17.7762, 13.6148

Complementary

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



13.9709, 17.7762, 16.8822



14.3650, 12.1763, 14.6906

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.



20.2418, 17.7762, 17.2225



13.9709, 17.7762, 16.8822



19.2400, 17.7762, 26.8535

Square

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



13.9709, 17.7762, 16.8822



16.0086, 17.7762, 29.7058



20.2027, 17.7762, 22.0588



17.8151, 17.7762, 11.7407

Rectangle

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



13.9709, 17.7762, 16.8822



14.3440, 17.7762, 24.9931



20.2027, 17.7762, 22.0588



19.7335, 17.7762, 14.6362

Sweetspot

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



13.9714, 17.7769, 16.8826



31.4924, 35.0309, 36.8341



14.7751, 18.3052, 11.7716



7.0667, 7.9204, 8.2861



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.9714, 17.7769, 16.8826



23.4030, 31.0391, 28.3926



14.7281, 17.6984, 22.0428



4.3677, 4.8554, 5.1075



8.7741, 15.7562, 8.4492



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.3650, 12.1763, 14.6906



24.2194, 19.4302, 23.8519



13.7424, 12.1767, 10.6432



4.4015, 4.3737, 4.9187



9.5666, 4.8463, 4.3077



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.9709, 17.7762, 16.8822 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 13.9709, 17.7762, 16.8822 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

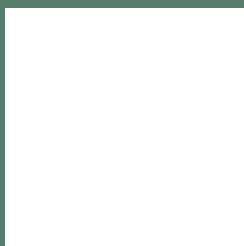
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.9709, 17.7762, 16.8822

Background



This preview shows how black text looks on a background with the XYZ color 13.9709, 17.7762, 16.8822.

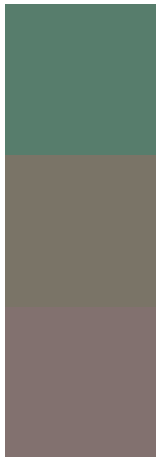


This preview shows how white text looks on a background with the XYZ color 13.9709, 17.7762,

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

13.9709, 17.7762, 16.8822

Protanopia

16.7196, 17.6076, 15.3494

Deuteranopia

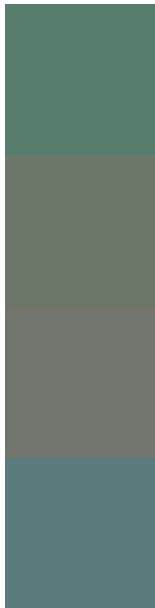
17.9803, 17.7038, 17.5084



Tritanopia

15.4699, 17.8331, 24.0995

Trichromacy



Original Color

13.9709, 17.7762, 16.8822

Protanomaly

15.4533, 17.4648, 15.9212

Deuteranomaly

16.1152, 17.4258, 17.2660

Tritanomaly

14.8746, 17.7696, 21.3848

Monochromacy



Original Color

13.9709, 17.7762, 16.8822

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.8241, 16.7538, 17.4914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9709, 17.7762, 16.8822 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(87, 125, 108)` looks like.

```
.text, #text, p{  
    color:rgb(87, 125, 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(87, 125, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 125, 108) }
```

Border

The CSS property to change the border of an element to XYZ 13.9709, 17.7762, 16.8822 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(87, 125, 108) }
```


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

```
.border{ border-color:rgb(87, 125, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 125, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 125, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 125, 108);  
box-shadow:4px 4px 4px 4px rgb(87, 125,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9709, 17.7762, 16.8822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 125, 108) }
```

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

```
.background{ background-color: rgb(87, 125,  
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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