

Converting Colors

XYZ(14.4970, 12.5437, 17.8777)

Have a look what the booklet for
XYZ(14.4970, 12.5437, 17.8777)
contains.

XYZ(14.4964, 12.5432, 17.8767)	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(14.4964, 12.5432,
17.8767)**

Conversions

Conversions Part 1

Format	Color
Hex	785A73
RGB	120, 90, 115
RGB Percent	47%, 35%, 45%
CMY	0.5294, 0.6470, 0.5490
CMYK	0.00, 0.25, 0.04, 0.53
HSL	310°, 14%, 41%
HSV	310°, 25%, 47%
XYZ	14.4964, 12.5432, 17.8767
YIQ	101.8200, 9.8550, 14.1350

Conversions

Conversions Part 2

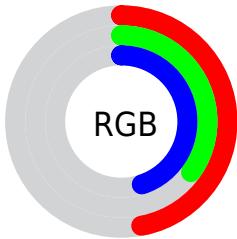
Format	Color
R_{YB}	120, 90, 115
Decimal	7887475
CIE Lab	42.07, 16.86, -9.40
CIE LCh	42, 19.299, 330.853
Yxy	12.5432, 0.3227, 0.2793
Android (android.graphics.Color)	4286077555 (0xFF785A73)
YUV	101.8200, 6.4977, 15.9439
Hunter-Lab	35.4164, 11.0838, -5.1356

Details

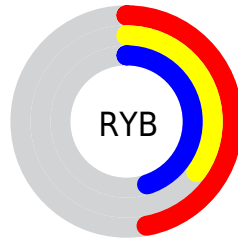
The XYZ color **14.4964, 12.5432, 17.8767** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **12.9990, 16.4332, 13.3140**, and the grayscale version is **12.5644, 13.2188, 14.3952**.

A 20% lighter version of the original color is **33.5867, 30.4304, 40.6627**, and **4.5123, 3.5462, 5.7568** is the 20% darker color. If you saturate the color by 10%, you get **13.4511, 10.6346, 16.9666**, and if you desaturate by 10%, it is **15.7084, 14.7808, 18.8549**.

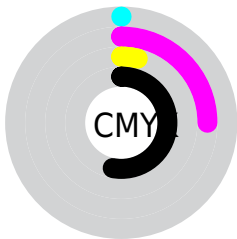
Distribution



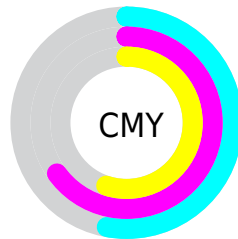
- Red (47%)
- Green (35%)
- Blue (45%)



- Red (47%)
- Yellow (35%)
- Blue (45%)



- Cyan (0%)
- Magenta (25%)
- Yellow (4%)
- Black (53%)





- Cyan (53%)
- Magenta (65%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.4964, 12.5432, 17.8767 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 14.4964, 12.5432, 17.8767 by changing the saturation by 10% instead.


 14.4964, 12.5432,
17.8767


 14.4964, 12.5432,
17.8767


213.7468,
207.9690, 252.3879


 8.5507, 7.1148,
10.6930


 33.5462, 30.4806,
40.6382


 4.5041, 3.5340,
5.7492

 47.3811, 43.7584,
57.0531


 1.9911, 1.4165,
2.6269

 64.5764, 60.4215,
77.3821

 0.6289, 0.2288,
0.9063

 85.4975, 80.8541,
102.0437

 0.0000, 0.0000,
0.0000

 110.5097,
105.4408, 131.4566

139.9784,

134.5659, 166.0392

174.2690,
168.6138, 206.2101

■ 14.4964, 12.5432,
17.8767

■ 14.4964, 12.5432,
17.8767

■ 13.4511, 10.6346,
16.9666

■ 15.7084, 14.7808,
18.8549

■ 12.5635, 9.0376,
16.1213

■ 17.0933, 17.3604,
19.9030

■ 11.8254, 7.7358,
15.3379

■ 18.6583, 20.2961,
21.0237

■ 11.2277, 6.7108,
14.6134

■ 20.4100, 23.6011,
22.2191

■ 10.7599, 5.9417,
13.9443

■ 22.3545, 27.2875,
23.4914

■ 10.4103, 5.4051,
13.3264

■ 24.4976, 31.3673,
24.8426

■ 10.1599, 5.0630,
12.7535

■ 26.8451, 35.8516,
26.2747

■ 10.0460, 4.9132,
12.4752

■ 29.4023, 40.7511,
27.7896

■ 32.1745, 46.0764,
29.3890

Harmonies

Analogous

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



13.3929, 12.5432, 21.6219



14.4964, 12.5432, 17.8767



14.8975, 12.5432, 13.5401

Triad

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



14.4964, 12.5432, 17.8767



11.8809, 12.5432, 7.1845



9.7076, 12.5432, 18.1216

Complementary

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



14.4964, 12.5432, 17.8767



12.9990, 16.4332, 13.3140

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.



9.3716, 12.5432, 13.7754



14.4964, 12.5432, 17.8767



10.5628, 12.5432, 7.9371

Square

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



14.4964, 12.5432, 17.8767



13.3162, 12.5432, 7.8555



9.6719, 12.5432, 10.1605



10.6286, 12.5432, 21.7821

Rectangle

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



14.4964, 12.5432, 17.8767



14.6893, 12.5432, 11.0344



9.6719, 12.5432, 10.1605



9.5260, 12.5432, 16.6663

Sweetspot

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



14.4968, 12.5438, 17.8770



29.5078, 29.4949, 34.5942



11.7662, 11.1019, 19.2923



6.9682, 6.9436, 8.1799



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



14.4968, 12.5438, 17.8770



24.4070, 20.0668, 30.5093



13.7026, 12.2261, 13.6948



4.1272, 4.0666, 4.8673



10.9551, 5.3582, 13.5864



51.9873, 25.4512, 63.3882

Inverse Universe

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



14.4968, 12.5438, 17.8770



24.4070, 20.0668, 30.5093



13.7478, 16.7327, 17.2574



4.1272, 4.0666, 4.8673



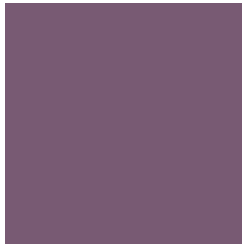
10.9551, 5.3582, 13.5864



51.9873, 25.4512, 63.3882

Previews

White Background



This preview shows how the XYZ color 14.4964, 12.5432, 17.8767 looks on a white background.

Color Contrast Check

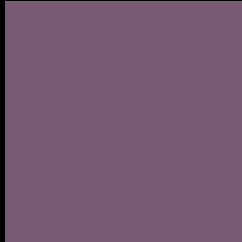
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.4964, 12.5432, 17.8767 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 14.4964, 12.5432, 17.8767

Background



This preview shows how black text looks on a background with the XYZ color 14.4964, 12.5432, 17.8767.



This preview shows how white text looks on a background with the XYZ color 14.4964, 12.5432,

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

14.4964, 12.5432, 17.8767

Protanopia

12.6323, 12.7371, 19.8819

Deuteranopia

12.7914, 12.5891, 17.6753



Tritanopia

13.6858, 12.6004, 13.7674

Trichromacy



Original Color

14.4964, 12.5432, 17.8767

Protanomaly

13.2216, 12.6407, 19.1958

Deuteranomaly

13.3466, 12.4715, 17.6234

Tritanomaly

13.9847, 12.5962, 15.0588

Monochromacy



Original Color

14.4964, 12.5432, 17.8767

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.3282, 13.0481, 15.7260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4964, 12.5432, 17.8767 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(120, 90, 115)` looks like.

```
.text, #text, p{  
    color:rgb(120, 90, 115)  
}
```

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(120, 90, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 90, 115) }
```

Border

The CSS property to change the border of an element to XYZ 14.4964, 12.5432, 17.8767 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(120, 90, 115) }
```


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

```
.border{ border-color:rgb(120, 90, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 90, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 90, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 90, 115);  
box-shadow:4px 4px 4px 4px rgb(120, 90,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4964, 12.5432, 17.8767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 90, 115) }
```

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

```
.background{ background-color: rgb(120, 90,  
115) }
```

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