

Converting Colors

XYZ(13.3940, 10.3309, 17.6336)

Have a look what the booklet for
XYZ(13.3940, 10.3309, 17.6336)
contains.

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Color

**XYZ(13.4247, 10.3998,
17.5195)**

Conversions

Conversions Part 1

Format	Color
Hex	784C73
RGB	120, 76, 115
RGB Percent	47%, 30%, 45%
CMY	0.5294, 0.7019, 0.5490
CMYK	0.00, 0.37, 0.04, 0.53
HSL	307°, 22%, 38%
HSV	307°, 37%, 47%
XYZ	13.4247, 10.3998, 17.5195
YIQ	93.6020, 13.7050, 21.4570

Conversions

Conversions Part 2

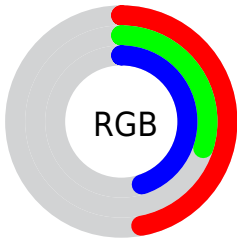
Format	Color
RYB	120, 76, 115
Decimal	7883891
CIELab	38.55, 25.26, -14.73
CIElCh	39, 29.239, 329.755
Yxy	10.3998, 0.3247, 0.2515
Android (android.graphics.Color)	4286073971 (0xFF784C73)
YUV	93.6020, 10.5492, 23.1510
Hunter-Lab	32.2487, 17.8718, -9.6359

Details

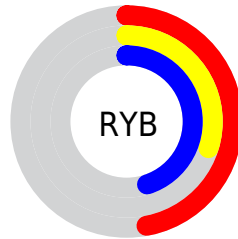
The XYZ color **13.4247, 10.3998, 17.5195** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **11.1826, 15.5639, 10.2000**, and the grayscale version is **10.5195, 11.0674, 12.0524**.

A 20% lighter version of the original color is **31.6695, 26.5960, 40.0236**, and **4.0032, 2.6359, 5.6080** is the 20% darker color. If you saturate the color by 10%, you get **12.5960, 8.8669, 16.8590**, and if you desaturate by 10%, it is **14.4094, 12.2426, 18.2379**.

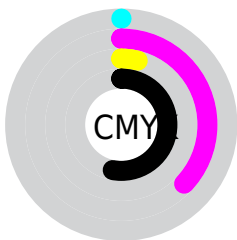
Distribution



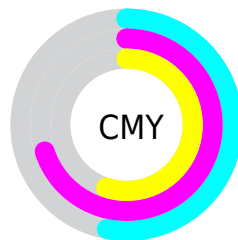
- Red (47%)
- Green (30%)
- Blue (45%)



- Red (47%)
- Yellow (30%)
- Blue (45%)



- Cyan (0%)
- Magenta (37%)
- Yellow (4%)
- Black (53%)




- Cyan (53%)
- Magenta (70%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.4247, 10.3998, 17.5195 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 13.4247, 10.3998, 17.5195 by changing the saturation by 10% instead.


 13.4247, 10.3998,
17.5195


 13.4247, 10.3998,
17.5195


207.2049,
193.5022, 250.2931


 7.8007, 5.6648,
10.4397

 31.6596, 26.5448,
40.0197


 4.0184, 2.6424,
5.5821

 45.0011, 38.7237,
56.2771

 1.7125, 0.9480,
2.5280

 61.6458, 54.1526,
76.4309

 0.4641, 0.0000,
0.8549

 81.9591, 73.2160,
100.8995

 0.0000, 0.0000,
0.0000

 106.3063, 96.2982,
130.1014

135.0528,

123.7838, 164.4553

168.5638,
156.0569, 204.3797

■ 13.4247, 10.3998,
17.5195

■ 13.4247, 10.3998,
17.5195

■ 12.5960, 8.8669,
16.8590

■ 14.4094, 12.2426,
18.2379

■ 11.9138, 7.6253,
16.2530

■ 15.5572, 14.4097,
19.0163

■ 11.3690, 6.6566,
15.6984

■ 16.8757, 16.9163,
19.8574

■ 10.9509, 5.9397,
15.1918

■ 18.3718, 19.7765,
20.7635

■ 10.6476, 5.4504,
14.7290

■ 20.0521, 23.0031,
21.7369

■ 10.4336, 5.1377,
14.3016

■ 21.9229, 26.6087,
22.7795

■ 10.3663, 5.0413,
14.1617

■ 23.9900, 30.6051,
23.8935

■ 26.2592, 35.0036,
25.0807

■ 28.7358, 39.8151,
26.3430

Harmonies

Analogous

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



11.8300, 10.3998, 23.1890



13.4247, 10.3998, 17.5195



14.0497, 10.3998, 11.3689

Triad

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



13.4247, 10.3998, 17.5195



9.9005, 10.3998, 3.7058



7.0165, 10.3998, 17.4150

Complementary

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



13.4247, 10.3998, 17.5195



11.1826, 15.5639, 10.2000

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.



6.6368, 10.3998, 11.2785



13.4247, 10.3998, 17.5195



8.1652, 10.3998, 4.4071

Square

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



13.4247, 10.3998, 17.5195



11.8609, 10.3998, 4.4312



7.0291, 10.3998, 6.7937



8.1412, 10.3998, 23.1162

Rectangle

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



13.4247, 10.3998, 17.5195



13.7772, 10.3998, 8.1161



7.0291, 10.3998, 6.7937



6.8045, 10.3998, 15.2813

Sweetspot

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



13.4250, 10.4003, 17.5197



28.5750, 27.6464, 34.2301



9.3173, 8.2485, 18.8705



6.7137, 6.4412, 8.0750



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.



13.4250, 10.4003, 17.5197



22.3676, 15.9879, 29.8295



12.3331, 9.9635, 11.7694



4.1358, 4.0700, 4.9128



11.3057, 5.4984, 15.4324



53.7302, 26.1484, 72.5663

Inverse Universe

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



13.4250, 10.4003, 17.5197



22.3676, 15.9879, 29.8295



12.1155, 15.9370, 15.1127



4.1358, 4.0700, 4.9128



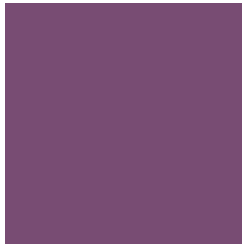
11.3057, 5.4984, 15.4324



53.7302, 26.1484, 72.5663

Previews

White Background



This preview shows how the XYZ color 13.4247, 10.3998, 17.5195 looks on a white background.

Color Contrast Check

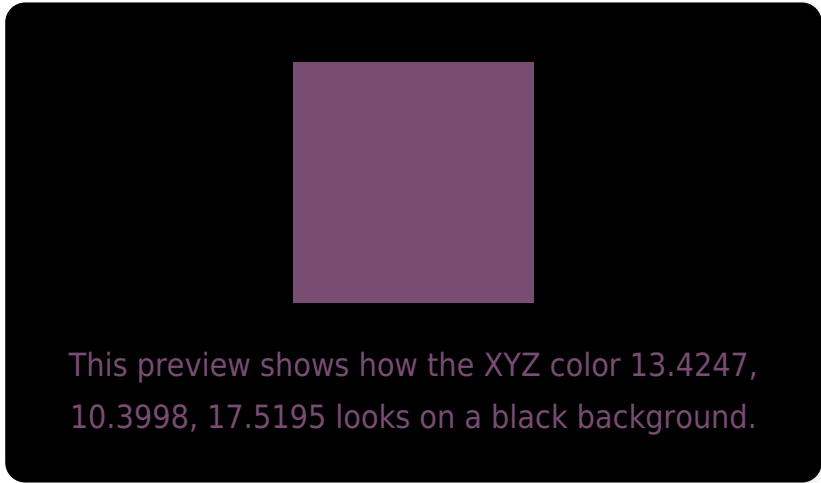
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 13.4247, 10.3998, 17.5195

Background



This preview shows how black text looks on a background with the XYZ color 13.4247, 10.3998, 17.5195.



This preview shows how white text looks on a background with the XYZ color 13.4247, 10.3998,

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

13.4247, 10.3998, 17.5195

Protanopia

10.7512, 10.5423, 20.8703

Deuteranopia

10.6728, 10.4609, 17.0794



Tritanopia

12.0400, 10.3713, 10.5998

Trichromacy



Original Color

13.4247, 10.3998, 17.5195

Protanomaly

11.4190, 10.3104, 19.4774

Deuteranomaly

11.4631, 10.2649, 17.2967

Tritanomaly

12.4718, 10.3254, 12.8909

Monochromacy



Original Color

13.4247, 10.3998, 17.5195

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.4000, 10.6593, 14.0270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4247, 10.3998, 17.5195 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, 76, 115)` looks like.

```
.text, #text, p{  
    color:rgb(120, 76, 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, 76, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 76, 115) }
```

Border

The CSS property to change the border of an element to XYZ 13.4247, 10.3998, 17.5195 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, 76, 115) }
```


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

```
.border{ border-color:rgb(120, 76, 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, 76, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 76, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 76, 115);  
box-shadow:4px 4px 4px 4px rgb(120, 76,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4247, 10.3998, 17.5195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 76, 115) }
```

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

```
.background{ background-color: rgb(120, 76,  
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](#).

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