

Converting Colors

XYZ(13.8257, 10.8613, 17.0636)

Have a look what the booklet for
XYZ(13.8257, 10.8613, 17.0636)
contains.

XYZ(13.7311, 10.7786, 16.9796)	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(13.7311, 10.7786,
16.9796)**

Conversions

Conversions Part 1

Format	Color
Hex	7A4E71
RGB	122, 78, 113
RGB Percent	48%, 31%, 44%
CMY	0.5216, 0.6941, 0.5569
CMYK	0.00, 0.36, 0.07, 0.52
HSL	312°, 22%, 39%
HSV	312°, 36%, 48%
XYZ	13.7311, 10.7786, 16.9796
YIQ	95.1460, 14.9890, 20.2130

Conversions

Conversions Part 2

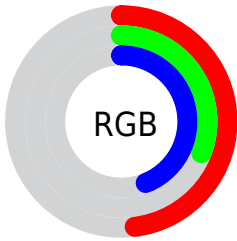
Format	Color
R_{YB}	122, 78, 113
Decimal	8015473
CIE _{Lab}	39.21, 24.40, -12.47
CIE _{LCh}	39, 27.405, 332.934
Yxy	10.7786, 0.3310, 0.2598
Android (android.graphics.Color)	4286205553 (0xFF7A4E71)
YUV	95.1460, 8.8020, 23.5510
Hunter-Lab	32.8308, 17.2017, -7.6824

Details

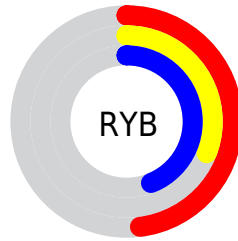
The XYZ color **13.7311, 10.7786, 16.9796** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **11.8222, 16.2273, 11.5266**, and the grayscale version is **10.8895, 11.4566, 12.4763**.

A 20% lighter version of the original color is **32.1899, 27.2689, 39.1641**, and **4.1431, 2.7924, 5.3216** is the 20% darker color. If you saturate the color by 10%, you get **12.8049, 9.1479, 15.9872**, and if you desaturate by 10%, it is **14.8226, 12.7335, 18.0464**.

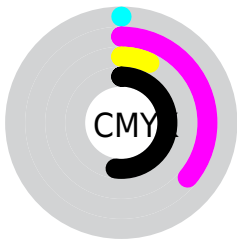
Distribution



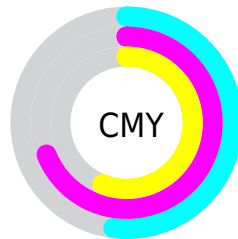
- Red (48%)
- Green (31%)
- Blue (44%)



- Red (48%)
- Yellow (31%)
- Blue (44%)



- Cyan (0%)
- Magenta (36%)
- Yellow (7%)
- Black (52%)



- Cyan (52%)
- Magenta (69%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7311, 10.7786, 16.9796 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 13.7311, 10.7786, 16.9796 by changing the saturation by 10% instead.

13.7311, 10.7786,
16.9796

13.7311, 10.7786,
16.9796

209.0958,
196.1423, 247.0948

8.0143, 5.9182,
10.0581

32.2014, 27.2500,
39.0809

4.1560, 2.7954,
5.3314

45.6856, 39.6298,
55.0978

1.7908, 1.0259,
2.3809

62.4898, 55.2848,
74.9835

0.5121, 0.0000,
0.7760

82.9791, 74.5995,
99.1568

0.0000, 0.0000,
0.0000

107.5190, 97.9581,
128.0360

136.4749,

125.7452, 162.0397

170.2120,
158.3451, 201.5864

■ 13.7311, 10.7786,
16.9796

■ 13.7311, 10.7786,
16.9796

■ 12.8049, 9.1479,
15.9872

■ 14.8226, 12.7335,
18.0464

■ 12.0342, 7.8220,
15.0655

■ 16.0868, 15.0276,
19.1898

■ 11.4094, 6.7820,
14.2112

■ 17.5316, 17.6767,
20.4128

■ 10.9196, 6.0060,
13.4204

■ 19.1643, 20.6952,
21.7179

■ 10.5523, 5.4689,
12.6890

■ 20.9916, 24.0968,
23.1076

■ 10.2842, 5.1242,
12.0089

■ 23.0201, 27.8942,
24.5841

■ 10.1859, 5.0015,
11.7486

■ 25.2560, 32.0999,
26.1497

■ 27.7052, 36.7256,
27.8065

■ 30.3732, 41.7825,
29.5564

Harmonies

Analogous

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



12.2922, 10.7786, 22.4662



13.7311, 10.7786, 16.9796



14.2020, 10.7786, 11.2249

Triad

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



13.7311, 10.7786, 16.9796



10.0646, 10.7786, 4.2441



7.5518, 10.7786, 18.1552

Complementary

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



13.7311, 10.7786, 16.9796



11.8222, 16.2273, 11.5266

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.



7.1007, 10.7786, 12.2626



13.7311, 10.7786, 16.9796



8.4383, 10.7786, 5.1182

Square

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



13.7311, 10.7786, 16.9796



11.9413, 10.7786, 4.8256



7.4049, 10.7786, 7.7012



8.7170, 10.7786, 23.2756

Rectangle

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



13.7311, 10.7786, 16.9796



13.8627, 10.7786, 8.2125



7.4049, 10.7786, 7.7012



7.3184, 10.7786, 16.1460

Sweetspot

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



13.7314, 10.7791, 16.9798



29.4803, 28.5945, 34.7748



10.1496, 8.8711, 19.5900



6.6805, 6.4279, 7.9001



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.



13.7314, 10.7791, 16.9798



22.8351, 16.6309, 28.4696



12.6478, 10.3456, 11.2736



4.1210, 4.0641, 4.8350



10.7210, 5.2645, 12.3535



50.8282, 24.9876, 57.2846

Inverse Universe

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



13.7314, 10.7791, 16.9798



22.8351, 16.6309, 28.4696



12.8514, 16.6390, 16.9463



4.1210, 4.0641, 4.8350



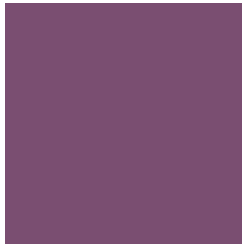
10.7210, 5.2645, 12.3535



50.8282, 24.9876, 57.2846

Previews

White Background



This preview shows how the XYZ color 13.7311, 10.7786, 16.9796 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 13.7311, 10.7786, 16.9796 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 13.7311, 10.7786, 16.9796

Background



This preview shows how black text looks on a background with the XYZ color 13.7311, 10.7786, 16.9796.



This preview shows how white text looks on a background with the XYZ color 13.7311, 10.7786,

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

13.7311, 10.7786, 16.9796

Protanopia

11.0585, 10.9692, 20.2733

Deuteranopia

11.1245, 10.9570, 16.5675



Tritanopia

12.5042, 10.8297, 10.8825

Trichromacy



Original Color

13.7311, 10.7786, 16.9796

Protanomaly

11.7750, 10.7450, 18.9061

Deuteranomaly

11.9613, 10.7685, 16.7773

Tritanomaly

12.8928, 10.7598, 12.9526

Monochromacy



Original Color

13.7311, 10.7786, 16.9796

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.7963, 11.1073, 14.0926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7311, 10.7786, 16.9796 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(122, 78, 113)` looks like.

```
.text, #text, p{  
    color:rgb(122, 78, 113)  
}
```

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(122, 78, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 78, 113) }
```

Border

The CSS property to change the border of an element to XYZ 13.7311, 10.7786, 16.9796 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(122, 78, 113) }
```


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

```
.border{ border-color:rgb(122, 78, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 78, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 78, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 78, 113); box-shadow:4px 4px 4px 4px rgb(122, 78, 113) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7311, 10.7786, 16.9796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 78, 113) }
```

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

```
.background{ background-color: rgb(122, 78,  
113) }
```

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