

Converting Colors

XYZ(13.4644, 10.6725, 18.2833)

Have a look what the booklet for
XYZ(13.4644, 10.6725, 18.2833)
contains.

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Color

**XYZ(13.4781, 10.7279,
18.1899)**

Conversions

Conversions Part 1

Format	Color
Hex	764F75
RGB	118, 79, 117
RGB Percent	46%, 31%, 46%
CMY	0.5373, 0.6902, 0.5412
CMYK	0.00, 0.33, 0.01, 0.54
HSL	302°, 20%, 39%
HSV	302°, 33%, 46%
XYZ	13.4781, 10.7279, 18.1899
YIQ	94.9930, 11.0460, 20.0860

Conversions

Conversions Part 2

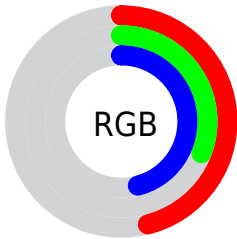
Format	Color
R_{YB}	118, 79, 117
Decimal	7753589
CIE _{Lab}	39.12, 23.16, -15.12
CIE _{LCh}	39, 27.655, 326.859
Yxy	10.7279, 0.3179, 0.2530
Android (android.graphics.Color)	4285943669 (0xFF764F75)
YUV	94.9930, 10.8495, 20.1771
Hunter-Lab	32.7535, 16.1344, -9.9997

Details

The XYZ color **13.4781, 10.7279, 18.1899** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **11.1513, 15.1987, 9.9360**, and the grayscale version is **10.8489, 11.4139, 12.4297**.

A 20% lighter version of the original color is **31.8063, 27.2230, 41.1143**, and **4.0723, 2.7826, 5.9527** is the 20% darker color. If you saturate the color by 10%, you get **12.6837, 9.1673, 17.8375**, and if you desaturate by 10%, it is **14.4243, 12.5917, 18.5934**.

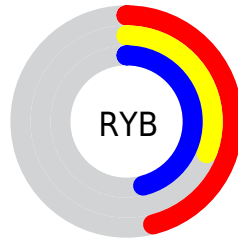
Distribution



Red (46%)

Green (31%)

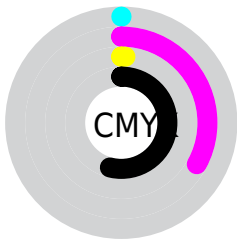
Blue (46%)



Red (46%)

Yellow (31%)

Blue (46%)

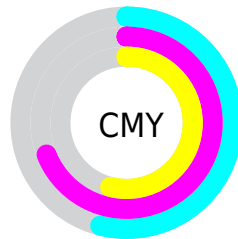


Cyan (0%)

Magenta (33%)

Yellow (1%)

Black (54%)



Cyan (54%)

Magenta (69%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4781, 10.7279, 18.1899 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 13.4781, 10.7279, 18.1899 by changing the saturation by 10% instead.

■ 13.4781, 10.7279,
18.1899

■ 13.4781, 10.7279,
18.1899

207.5357,
195.7911, 254.2112

■ 7.8378, 5.8842,
10.9156

■ 31.7541, 27.1559,
41.1789

■ 4.0423, 2.7748,
5.8966

■ 45.1206, 39.5090,
57.7307

■ 1.7261, 1.0153,
2.7146

■ 61.7933, 55.1339,
78.2121

■ 0.4725, 0.0000,
0.9507

■ 82.1374, 74.4152,
103.0415

■ 0.0000, 0.0000,
0.0000

■ 106.5183, 97.7372,
132.6376

135.3014,

125.4842, 167.4189

168.8521,
158.0407, 207.8039

■ 13.4781, 10.7279,
18.1899

■ 13.4781, 10.7279,
18.1899

■ 12.6837, 9.1673,
17.8375

■ 14.4243, 12.5917,
18.5934

■ 12.0321, 7.8926,
17.5329

■ 15.5288, 14.7720,
19.0498

■ 11.5150, 6.8866,
17.2735

■ 16.7988, 17.2833,
19.5617

■ 11.1227, 6.1301,
17.0558

■ 18.2408, 20.1384,
20.1312

■ 10.8441, 5.6011,
16.8764

■ 19.8610, 23.3498,
20.7603

■ 10.6655, 5.2717,
16.7306

■ 21.6651, 26.9292,
21.4511

■ 10.5643, 5.0888,
16.6371

■ 23.6589, 30.8876,
22.2054

■ 25.8476, 35.2359,
23.0249

■ 28.2365, 39.9843,
23.9115

Harmonies

Analogous

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



11.8914, 10.7279, 23.3446



13.4781, 10.7279, 18.1899



14.1812, 10.7279, 12.2485

Triad

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



13.4781, 10.7279, 18.1899



10.3929, 10.7279, 4.1706



7.3384, 10.7279, 16.9205

Complementary

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



13.4781, 10.7279, 18.1899



11.1513, 15.1987, 9.9360

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.



7.0384, 10.7279, 11.1310



13.4781, 10.7279, 18.1899



8.6709, 10.7279, 4.7408

Square

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



13.4781, 10.7279, 18.1899



12.2697, 10.7279, 5.0537



7.4962, 10.7279, 6.9457



8.3712, 10.7279, 22.4693

Rectangle

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



13.4781, 10.7279, 18.1899



13.9980, 10.7279, 8.9659



7.4962, 10.7279, 6.9457



7.1544, 10.7279, 14.8950

Sweetspot

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



13.4784, 10.7284, 18.1901



27.8998, 27.1503, 33.7373



9.3453, 8.5908, 18.3055



6.3603, 6.1350, 7.7347



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.4784, 10.7284, 18.1901



22.5676, 16.6403, 31.4840



12.4652, 10.3231, 12.8542



3.8228, 3.7564, 4.5935



11.4282, 5.5050, 17.9949



55.6401, 26.8062, 87.4230

Inverse Universe

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



13.4784, 10.7284, 18.1901



22.5676, 16.6403, 31.4840



11.9626, 15.5232, 14.2083



3.8228, 3.7564, 4.5935



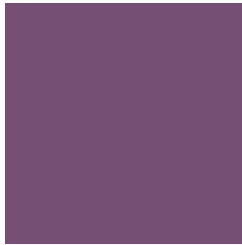
11.4282, 5.5050, 17.9949



55.6401, 26.8062, 87.4230

Previews

White Background



This preview shows how the XYZ color 13.4781, 10.7279, 18.1899 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 13.4781, 10.7279, 18.1899

Background



This preview shows how black text looks on a background with the XYZ color 13.4781, 10.7279, 18.1899.



This preview shows how white text looks on a background with the XYZ color 13.4781, 10.7279,

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

13.4781, 10.7279, 18.1899

Protanopia

10.9867, 10.7824, 21.2408

Deuteranopia

11.0520, 10.8936, 17.7398



Tritanopia

12.1289, 10.7408, 11.3315

Trichromacy



Original Color

13.4781, 10.7279, 18.1899

Protanomaly

11.7027, 10.6793, 20.1834

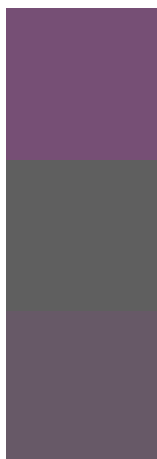
Deuteranomaly

11.8161, 10.7867, 17.9823

Tritanomaly

12.5200, 10.6677, 13.4558

Monochromacy



Original Color

13.4781, 10.7279, 18.1899

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.6141, 11.0076, 14.3445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4781, 10.7279, 18.1899 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(118, 79, 117)` looks like.

```
.text, #text, p{  
    color:rgb(118, 79, 117)  
}
```

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(118, 79, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 79, 117) }
```

Border

The CSS property to change the border of an element to XYZ 13.4781, 10.7279, 18.1899 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(118, 79, 117) }
```


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

```
.border{ border-color:rgb(118, 79, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 79, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 79, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 79, 117);  
box-shadow:4px 4px 4px 4px rgb(118, 79,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4781, 10.7279, 18.1899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 79, 117) }
```

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

```
.background{ background-color: rgb(118, 79,  
117) }
```

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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