

Converting Colors

XYZ(13.2746, 9.9012, 18.1809)

Have a look what the booklet for
XYZ(13.2746, 9.9012, 18.1809)
contains.

XYZ(13.2740, 9.9122, 18.0432)	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(13.2740, 9.9122,
18.0432)**

Conversions

Conversions Part 1

Format	Color
Hex	784875
RGB	120, 72, 117
RGB Percent	47%, 28%, 46%
CMY	0.5294, 0.7176, 0.5412
CMYK	0.00, 0.40, 0.03, 0.53
HSL	304°, 25%, 38%
HSV	304°, 40%, 47%
XYZ	13.2740, 9.9122, 18.0432
YIQ	91.4820, 14.1630, 24.1710

Conversions

Conversions Part 2

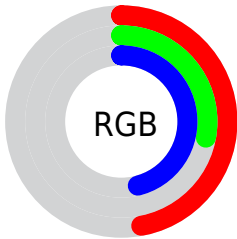
Format	Color
R_{YB}	120, 72, 117
Decimal	7882869
CIE _{Lab}	37.68, 28.01, -17.29
CIE _{LCh}	38, 32.923, 328.311
Yxy	9.9122, 0.3220, 0.2404
Android (android.graphics.Color)	4286072949 (0xFF784875)
YUV	91.4820, 12.5804, 25.0103
Hunter-Lab	31.4836, 20.1620, -11.9404

Details

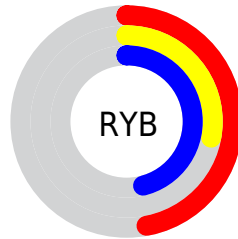
The XYZ color **13.2740, 9.9122, 18.0432** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **10.6594, 15.3190, 9.0524**, and the grayscale version is **10.0240, 10.5460, 11.4846**.

A 20% lighter version of the original color is **31.3545, 25.6679, 40.8379**, and **3.9694, 2.4706, 5.8979** is the 20% darker color. If you saturate the color by 10%, you get **12.5288, 8.4920, 17.5781**, and if you desaturate by 10%, it is **14.1716, 11.6364, 18.5610**.

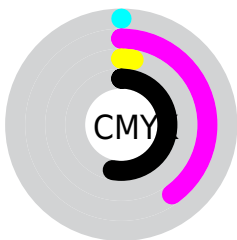
Distribution



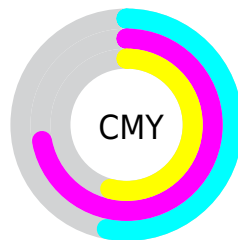
- Red (47%)
- Green (28%)
- Blue (46%)



- Red (47%)
- Yellow (28%)
- Blue (46%)



- Cyan (0%)
- Magenta (40%)
- Yellow (3%)
- Black (53%)




- Cyan (53%)
- Magenta (72%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2740, 9.9122, 18.0432 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 13.2740, 9.9122, 18.0432 by changing the saturation by 10% instead.


 13.2740, 9.9122,
18.0432


 13.2740, 9.9122,
18.0432


206.2686,
190.0443, 253.3587


 7.6958, 5.3408,
10.8112


 31.3923, 25.6302,
40.9259

 3.9511, 2.4486,
5.8275

 44.6631, 37.5456,
57.4136

 1.6745, 0.8507,
2.6734

 61.2288, 52.6778,
77.8238

 0.4402, 0.0000,
0.9300

 81.4548, 71.4112,
102.5748

 0.0000, 0.0000,
0.0000

 105.7065, 94.1301,
132.0853

134.3491,

121.2190, 166.7737

167.7480,
153.0623, 207.0587

■ 13.2740, 9.9122,
18.0432

■ 13.2740, 9.9122,
18.0432

■ 12.5288, 8.4920,
17.5781

■ 14.1716, 11.6364,
18.5610

■ 11.9263, 7.3566,
17.1623

■ 15.2289, 13.6794,
19.1337

■ 11.4569, 6.4871,
16.7926

■ 16.4536, 16.0569,
19.7639

■ 11.1098, 5.8614,
16.4653

■ 17.8530, 18.7830,
20.4541

■ 10.8720, 5.4540,
16.1762

■ 19.4336, 21.8710,
21.2065

■ 10.6984, 5.1742,
15.9102

■ 21.2017, 25.3336,
22.0232

■ 10.6983, 5.1741,
15.9102

■ 23.1634, 29.1827,
22.9062

■ 25.3245, 33.4299,
23.8573

■ 27.6903, 38.0862,
24.8786

Harmonies

Analogous

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



11.4600, 9.9122, 24.4382



13.2740, 9.9122, 18.0432



14.0395, 9.9122, 11.1356

Triad

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



13.2740, 9.9122, 18.0432



9.5402, 9.9122, 2.8888



6.3059, 9.9122, 17.2278

Complementary

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



13.2740, 9.9122, 18.0432



10.6594, 15.3190, 9.0524

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.



5.9463, 9.9122, 10.4569



13.2740, 9.9122, 18.0432



7.6399, 9.9122, 3.4972

Square

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



13.2740, 9.9122, 18.0432



11.6954, 9.9122, 3.6598



6.3970, 9.9122, 5.8029



7.4628, 9.9122, 23.8577

Rectangle

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



13.2740, 9.9122, 18.0432



13.7778, 9.9122, 7.5637



6.3970, 9.9122, 5.8029



6.0960, 9.9122, 14.8304

Sweetspot

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



13.2743, 9.9126, 18.0434



28.4173, 27.2273, 34.4971



8.5630, 7.4631, 18.7588



6.6827, 6.3518, 8.1490



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.



13.2743, 9.9126, 18.0434



22.1337, 15.1216, 30.9803



12.0660, 9.4293, 11.6804



4.1442, 4.0734, 4.9570



11.6692, 5.6438, 17.3468



55.5457, 26.8746, 82.1266

Inverse Universe

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



13.2743, 9.9126, 18.0434



22.1337, 15.1216, 30.9803



11.6129, 15.7004, 14.0734



4.1442, 4.0734, 4.9570



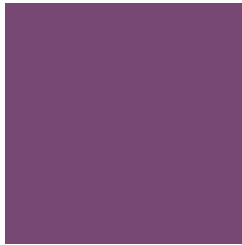
11.6692, 5.6438, 17.3468



55.5457, 26.8746, 82.1266

Previews

White Background



This preview shows how the XYZ color 13.2740, 9.9122, 18.0432 looks on a white background.

Color Contrast Check

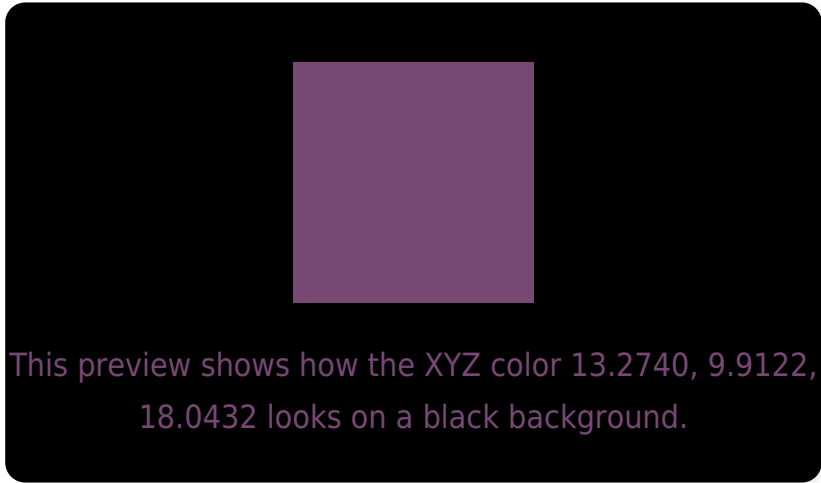
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

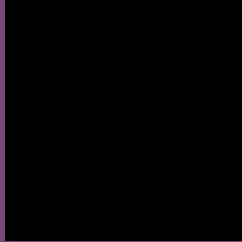
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.2740, 9.9122, 18.0432

Background



This preview shows how black text looks on a background with the XYZ color 13.2740, 9.9122, 18.0432.



This preview shows how white text looks on a background with the XYZ color 13.2740, 9.9122,

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

13.2740, 9.9122, 18.0432

Protanopia

10.4327, 10.1009, 22.1687

Deuteranopia

10.1918, 9.9626, 17.3054



Tritanopia

11.6381, 9.9608, 9.9036

Trichromacy



Original Color

13.2740, 9.9122, 18.0432

Protanomaly

11.1326, 9.7906, 20.7051

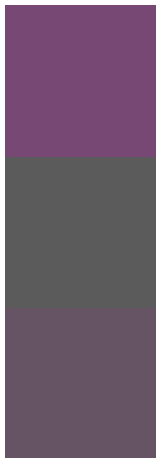
Deuteranomaly

11.1488, 9.8691, 17.5370

Tritanomaly

12.0782, 9.8139, 12.5669

Monochromacy



Original Color

13.2740, 9.9122, 18.0432

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.9501, 10.0855, 13.4262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2740, 9.9122, 18.0432 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, 72, 117)` looks like.

```
.text, #text, p{  
    color:rgb(120, 72, 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(120, 72, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 72, 117) }
```

Border

The CSS property to change the border of an element to XYZ 13.2740, 9.9122, 18.0432 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, 72, 117) }
```


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

```
.border{ border-color:rgb(120, 72, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 72, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 72, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 72, 117); box-shadow:4px 4px 4px 4px rgb(120, 72, 117) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2740, 9.9122, 18.0432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 72, 117) }
```

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

```
.background{ background-color: rgb(120, 72,  
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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