

Converting Colors

XYZ(12.9717, 8.7012, 18.4486)

Have a look what the booklet for
XYZ(12.9717, 8.7012, 18.4486)
contains.

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Color

**XYZ(12.9717, 8.7012,
18.4486)**

Conversions

Conversions Part 1

Format	Color
Hex	7A3C77
RGB	122, 60, 119
RGB Percent	48%, 24%, 47%
CMY	0.5216, 0.7647, 0.5333
CMYK	0.00, 0.51, 0.02, 0.52
HSL	303°, 34%, 36%
HSV	303°, 51%, 48%
XYZ	12.9717, 8.7012, 18.4486
YIQ	85.2640, 18.0130, 31.4930

Conversions

Conversions Part 2

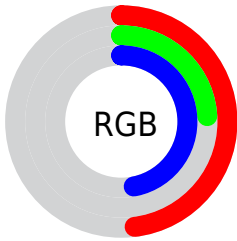
Format	Color
R_{YB}	122, 60, 119
Decimal	8010871
CIE Lab	35.40, 35.87, -22.05
CIE LCh	35, 42.099, 328.423
Yxy	8.7012, 0.3233, 0.2169
Android (android.graphics.Color)	4286200951 (0xFF7A3C77)
YUV	85.2640, 16.6318, 32.2175
Hunter-Lab	29.4978, 26.8745, -16.4329

Details

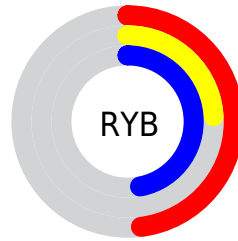
The XYZ color **12.9717, 8.7012, 18.4486** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **9.7206, 15.2390, 7.1322**, and the grayscale version is **8.6538, 9.1045, 9.9148**.

A 20% lighter version of the original color is **30.8311, 23.3222, 41.4047**, and **3.8017, 1.9772, 5.9756** is the 20% darker color. If you saturate the color by 10%, you get **12.3695, 7.5532, 18.0735**, and if you desaturate by 10%, it is **13.7221, 10.1448, 18.8743**.

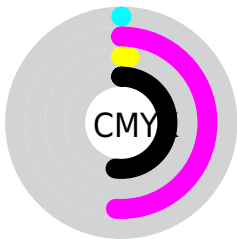
Distribution



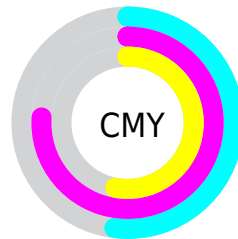
- Red (48%)
- Green (24%)
- Blue (47%)



- Red (48%)
- Yellow (24%)
- Blue (47%)



- Cyan (0%)
- Magenta (51%)
- Yellow (2%)
- Black (52%)



- Cyan (52%)
- Magenta (76%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9717, 8.7012, 18.4486 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 12.9717, 8.7012, 18.4486 by changing the saturation by 10% instead.

12.9717, 8.7012,
18.4486

12.9717, 8.7012,
18.4486

204.3775,
181.1329, 255.7081

7.4859, 4.5468,
11.0998

30.8547, 23.3220,
41.6245

3.8168, 1.9839,
6.0190

43.9826, 34.5573,
58.2886

1.5990, 0.5981,
2.7876

60.3886, 48.9216,
78.8949

0.3918, 0.0000,
0.9873

80.4381, 66.7993,
103.8619

0.0000, 0.0000,
0.0000

104.4963, 88.5750,
133.6082

132.9287,

114.6328, 168.5523

166.1007,
145.3574, 209.1127

■ 12.9717, 8.7012,
18.4486

■ 12.9717, 8.7012,
18.4486

■ 12.3695, 7.5532,
18.0735

■ 13.7221, 10.1448,
18.8743

■ 11.9044, 6.6792,
17.7451

■ 14.6291, 11.9015,
19.3533

■ 11.5650, 6.0563,
17.4598

■ 15.7015, 13.9888,
19.8884

■ 11.3379, 5.6575,
17.2129

■ 16.9473, 16.4224,
20.4825

■ 11.1842, 5.4008,
17.0054

■ 18.3739, 19.2172,
21.1379

■ 19.9882, 22.3871,
21.8570

■ 21.7969, 25.9454,
22.6419

■ 23.8062, 29.9047,
23.4949

■ 26.0222, 34.2768,
24.4178

Harmonies

Analogous

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



10.7231, 8.7012, 26.9994



12.9717, 8.7012, 18.4486



13.9345, 8.7012, 9.8507

Triad

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



12.9717, 8.7012, 18.4486



8.4007, 8.7012, 1.3721



4.7784, 8.7012, 17.4628

Complementary

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



12.9717, 8.7012, 18.4486



9.7206, 15.2390, 7.1322

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.



4.3961, 8.7012, 9.1073



12.9717, 8.7012, 18.4486



6.2232, 8.7012, 1.8699

Square

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



12.9717, 8.7012, 18.4486



10.9926, 8.7012, 1.9988



4.8690, 8.7012, 4.0170



6.0391, 8.7012, 26.2592

Rectangle

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



12.9717, 8.7012, 18.4486



13.5977, 8.7012, 5.8159



4.8690, 8.7012, 4.0170



4.5554, 8.7012, 14.4134

Sweetspot

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



12.9720, 8.7016, 18.4488



28.7804, 26.8688, 35.5462



7.1199, 5.6636, 19.1306



6.4968, 5.9797, 8.0876



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.



12.9720, 8.7016, 18.4488



21.6099, 13.0017, 31.6952



11.4427, 8.0899, 10.3954



4.1465, 4.0743, 4.9692



11.7741, 5.6858, 17.8990



56.0707, 27.0846, 84.8915

Inverse Universe

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



12.9720, 8.7016, 18.4488



21.6099, 13.0017, 31.6952



10.8021, 15.6716, 12.8274



4.1465, 4.0743, 4.9692



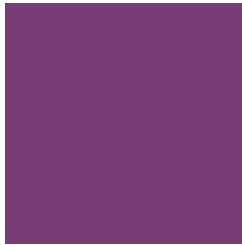
11.7741, 5.6858, 17.8990



56.0707, 27.0846, 84.8915

Previews

White Background



This preview shows how the XYZ color 12.9717, 8.7012, 18.4486 looks on a white background.

Color Contrast Check

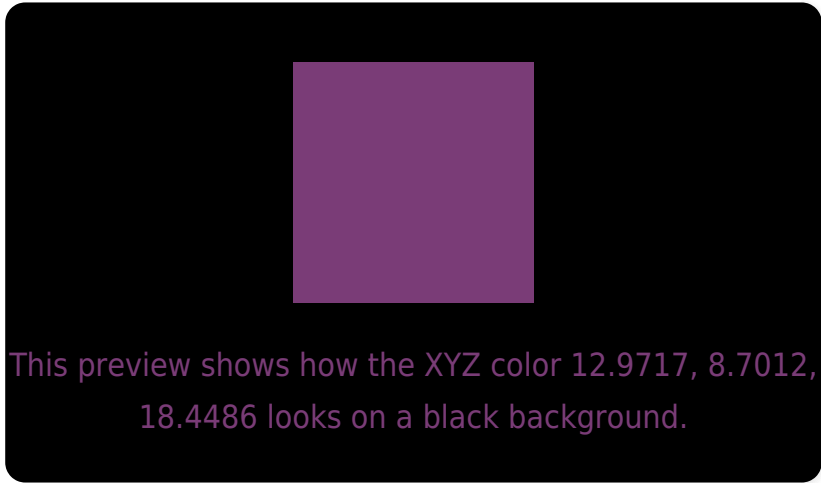
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9717, 8.7012, 18.4486

Background



This preview shows how black text looks on a background with the XYZ color 12.9717, 8.7012, 18.4486.



This preview shows how white text looks on a background with the XYZ color 12.9717, 8.7012,

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

12.9717, 8.7012, 18.4486

Protanopia

9.5913, 8.8937, 25.2559

Deuteranopia

9.0118, 8.8802, 17.4587



Tritanopia

10.8308, 8.6840, 7.9428

Trichromacy



Original Color

12.9717, 8.7012, 18.4486

Protanomaly

10.2017, 8.4211, 22.5605

Deuteranomaly

9.9828, 8.5173, 17.6408

Tritanomaly

11.4877, 8.5911, 11.1780

Monochromacy



Original Color

12.9717, 8.7012, 18.4486

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

9.7791, 8.6286, 12.4593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9717, 8.7012, 18.4486 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, 60, 119)` looks like.

```
.text, #text, p{  
    color:rgb(122, 60, 119)  
}
```

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, 60, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 60, 119) }
```

Border

The CSS property to change the border of an element to XYZ 12.9717, 8.7012, 18.4486 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, 60, 119) }
```


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

```
.border{ border-color:rgb(122, 60, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 60, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 60, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 60, 119);  
box-shadow:4px 4px 4px 4px rgb(122, 60,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9717, 8.7012, 18.4486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 60, 119) }
```

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

```
.background{ background-color: rgb(122, 60,  
119) }
```

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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