

Converting Colors

XYZ(12.8250, 6.7232, 19.6981)

Have a look what the booklet for
XYZ(12.8250, 6.7232, 19.6981)
contains.

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Color

**XYZ(12.9096, 6.7832,
19.6977)**

Conversions

Conversions Part 1

Format	Color
Hex	801A7C
RGB	128, 26, 124
RGB Percent	50%, 10%, 49%
CMY	0.4980, 0.8980, 0.5137
CMYK	0.00, 0.80, 0.03, 0.50
HSL	302°, 66%, 30%
HSV	302°, 80%, 50%
XYZ	12.9096, 6.7832, 19.6977
YIQ	67.6700, 29.3340, 52.1020

Conversions

Conversions Part 2

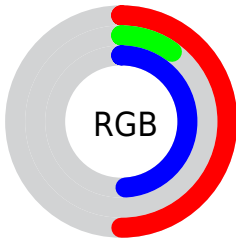
Format	Color
R_{YB}	128, 26, 124
Decimal	8395388
CIE _{Lab}	31.31, 53.10, -31.55
CIE _{LCh}	31, 61.767, 329.286
Yxy	6.7832, 0.3277, 0.1722
Android (android.graphics.Color)	4286585468 (0xFF801A7C)
YUV	67.6700, 27.7707, 52.9094
Hunter-Lab	26.0446, 42.8997, -26.6102

Details

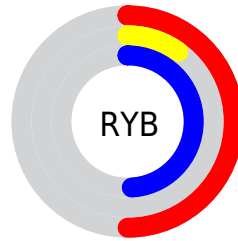
The XYZ color **12.9096, 6.7832, 19.6977** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **8.3798, 15.7521, 3.8274**, and the grayscale version is **5.3958, 5.6768, 6.1820**.

A 20% lighter version of the original color is **30.7962, 19.5512, 43.7456**, and **4.1377, 1.9903, 6.6446** is the 20% darker color. If you saturate the color by 10%, you get **12.6552, 6.3250, 19.4567**, and if you desaturate by 10%, it is **13.2913, 7.4955, 19.9821**.

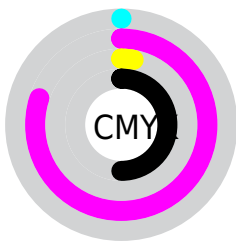
Distribution



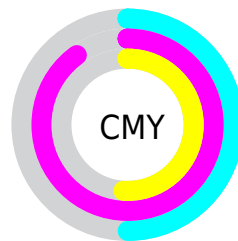
- Red (50%)
- Green (10%)
- Blue (49%)



- Red (50%)
- Yellow (10%)
- Blue (49%)



- Cyan (0%)
- Magenta (80%)
- Yellow (3%)
- Black (50%)




- Cyan (50%)
- Magenta (90%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9096, 6.7832, 19.6977 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 12.9096, 6.7832, 19.6977 by changing the saturation by 10% instead.


 12.9096, 6.7832,
19.6977


 12.9096, 6.7832,
19.6977


203.9868,
165.8499, 262.8237


 7.4429, 3.3269,
11.9936


 30.7440, 19.5357,
43.7621


 3.7894, 1.3047,
6.6168

 43.8424, 29.6007,
60.9594


 1.5837, 0.1448,
3.1489

 60.2154, 42.6374,
82.1582

 0.3817, 0.0000,
1.1711

 80.2283, 59.0302,
107.7771

 0.0000, 0.0000,
0.0000

 104.2466, 79.1634,
138.2346

 132.6355,

103.4215, 173.9491

165.7605,
132.1889, 215.3393

12.9096, 6.7832,
19.6977

12.9096, 6.7832,
19.6977

12.6552, 6.3250,
19.4567

13.2913, 7.4955,
19.9821

12.4816, 6.0280,
19.2433

13.8146, 8.4909,
20.3144

12.4762, 6.0188,
19.2366

14.4927, 9.7956,
20.6990

15.3370, 11.4324,
21.1399

16.3578, 13.4221,
21.6405

■ 17.5647, 15.7837,
22.2038

■ 18.9667, 18.5350,
22.8330

■ 20.5718, 21.6926,
23.5308

■ 22.3880, 25.2719,
24.2996

Harmonies

Analogous

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



9.7587, 6.7832, 33.8138



12.9096, 6.7832, 19.6977



14.2589, 6.7832, 7.5969

Triad

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



12.9096, 6.7832, 19.6977



6.5206, 6.7832, 0.0000



2.5684, 6.7832, 19.0090

Complementary

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



12.9096, 6.7832, 19.6977



8.3798, 15.7521, 3.8274

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.



2.1842, 6.7832, 7.1785



12.9096, 6.7832, 19.6977



3.9850, 6.7832, 0.0075

Square

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



12.9096, 6.7832, 19.6977



9.9264, 6.7832, 0.0613



2.6082, 6.7832, 1.7031



3.8939, 6.7832, 33.2402

Rectangle

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



12.9096, 6.7832, 19.6977



13.7089, 6.7832, 3.1145



2.6082, 6.7832, 1.7031



2.3477, 6.7832, 14.4290

Sweetspot

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



12.9099, 6.7835, 19.6978



29.8485, 25.6812, 38.5956



4.7841, 2.5647, 20.6653



6.8410, 5.7245, 8.9671



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.9099, 6.7835, 19.6978



22.0477, 10.7448, 33.9447



10.4944, 5.8173, 6.9784



4.4911, 4.4096, 5.3906



12.3709, 5.9681, 19.0748



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.9099, 6.7835, 19.6978



22.0477, 10.7448, 33.9447



9.6083, 16.2435, 10.2966



4.4911, 4.4096, 5.3906



12.3709, 5.9681, 19.0748



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.9096, 6.7832, 19.6977 looks on a white background.

Color Contrast Check

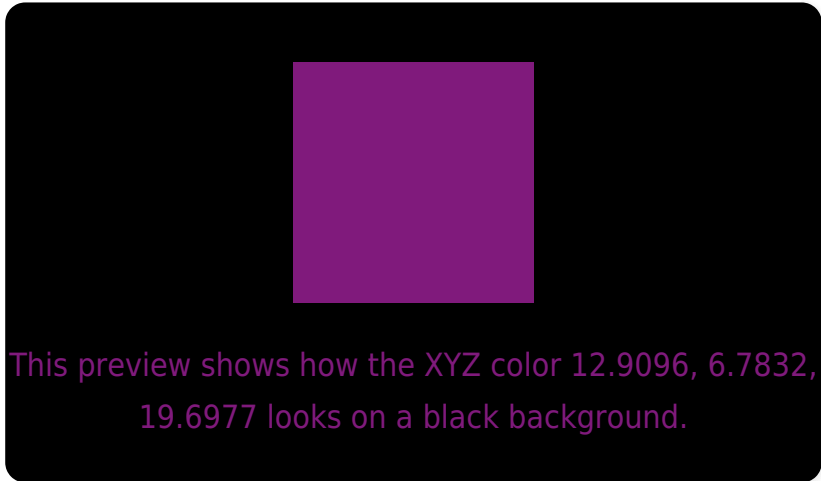
Large Text (above 18pt) WCAG AA ✓ Pass

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

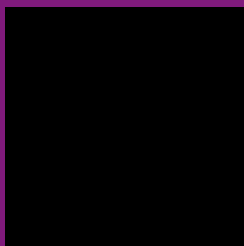
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.9096, 6.7832, 19.6977

Background



This preview shows how black text looks on a background with the XYZ color 12.9096, 6.7832, 19.6977.



This preview shows how white text looks on a background with the XYZ color 12.9096, 6.7832, 19.6977.

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

12.9096, 6.7832, 19.6977

Protanopia

8.2153, 7.0982, 31.5089

Deuteranopia

7.1952, 7.0734, 17.8157



Tritanopia

9.8968, 6.9066, 4.6824

Trichromacy



Original Color

12.9096, 6.7832, 19.6977



Protanomaly

7.5444, 5.4159, 26.6343



Deuteranomaly

8.1616, 5.9878, 18.4949



Tritanomaly

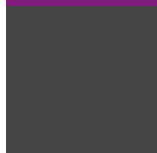
10.6613, 6.6069, 8.4979

Monochromacy



Original Color

12.9096, 6.7832, 19.6977



Achromatopsia

5.4944, 5.7805, 6.2950



Achromatomaly

7.2510, 5.4244, 9.8974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9096, 6.7832, 19.6977 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(128, 26, 124)` looks like.

```
.text, #text, p{  
    color:rgb(128, 26, 124)  
}
```

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(128, 26, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 26, 124) }
```

Border

The CSS property to change the border of an element to XYZ 12.9096, 6.7832, 19.6977 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(128, 26, 124) }
```


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

```
.border{ border-color:rgb(128, 26, 124) }
```

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

Here you see how a box with a 4 pixel rgb(128, 26, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 26, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 26, 124);  
box-shadow:4px 4px 4px 4px rgb(128, 26,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9096, 6.7832, 19.6977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 26, 124) }
```

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

```
.background{ background-color: rgb(128, 26,  
124) }
```

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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