

Converting Colors

XYZ(15.9979, 7.6400, 42.7510)

Have a look what the booklet for
XYZ(15.9979, 7.6400, 42.7510)
contains.

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Color

**XYZ(15.9979, 7.6400,
42.7510)**

Conversions

Conversions Part 1

Format	Color
Hex	7812B2
RGB	120, 18, 178
RGB Percent	47%, 7%, 70%
CMY	0.5294, 0.9294, 0.3020
CMYK	0.33, 0.90, 0.00, 0.30
HSL	278°, 82%, 38%
HSV	278°, 90%, 70%
XYZ	15.9979, 7.6400, 42.7510
YIQ	66.7380, 9.4320, 71.3840

Conversions

Conversions Part 2

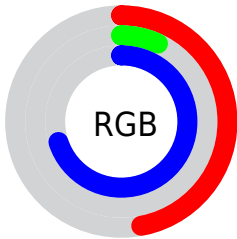
Format	Color
R _Y B	120, 18, 178
Decimal	7869106
CIE Lab	33.22, 63.90, -61.59
CIE LCh	33, 88.749, 316.058
Yxy	7.6400, 0.2410, 0.1151
Android (android.graphics.Color)	4286059186 (0xFF7812B2)
YUV	66.7380, 54.8522, 46.7108
Hunter-Lab	27.6405, 54.9419, -72.3541

Details

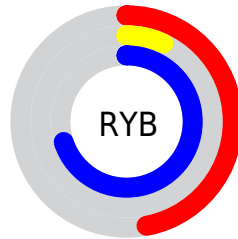
The XYZ color **15.9979, 7.6400, 42.7510** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **19.0100, 33.4211, 6.0213**, and the grayscale version is **5.2097, 5.4810, 5.9688**.

A 20% lighter version of the original color is **36.2979, 21.3480, 80.8047**, and **5.6247, 2.4794, 19.2509** is the 20% darker color. If you saturate the color by 10%, you get **14.9192, 6.7660, 42.6393**, and if you desaturate by 10%, it is **17.3322, 8.9344, 42.9307**.

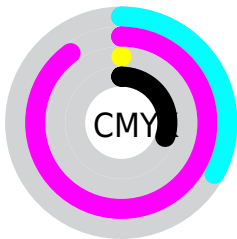
Distribution



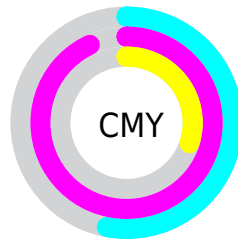
- Red (47%)
- Green (7%)
- Blue (70%)



- Red (47%)
- Yellow (7%)
- Blue (70%)



- Cyan (33%)
- Magenta (90%)
- Yellow (0%)
- Black (30%)



- Cyan (53%)
- Magenta (93%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.9979, 7.6400, 42.7510 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 15.9979, 7.6400, 42.7510 by changing the saturation by 10% instead.


 15.9979, 7.6400,
42.7510


 15.9979, 7.6400,
42.7510

222.6000,
172.8805, 373.4778


 9.6135, 3.8655,
29.3598


 36.1520, 21.2496,
80.6173


 5.2038, 1.5986,
19.1053


 50.6525, 31.8535,
105.9295


 2.4033, 0.3567,
11.5688


 68.5890, 45.5026,
136.0525

 0.8467, 0.0000,
6.3318

 90.3269, 62.5813,
171.4048

 0.0000, 0.0000,
2.9759

 116.2316, 83.4741,
212.4049

 0.0000, 0.0000,
1.0823

 146.6685,

 0.0000, 0.0000,

108.5653, 259.4715

0.0000

182.0028,
138.2393, 313.0229

15.9979, 7.6400,
42.7510

15.9979, 7.6400,
42.7510

14.9192, 6.7660,
42.6393

17.3322, 8.9344,
42.9307

14.9076, 6.7568,
42.6382

18.9948, 10.7947,
43.2021

21.0223, 13.2920,
43.5773

23.4456, 16.4863,
44.0661

26.2921, 20.4308,
44.6775

■ 29.5862, 25.1732,
45.4192

■ 33.3507, 30.7571,
46.2986

■ 37.6065, 37.2230,
47.3224

■ 42.3732, 44.6088,
48.4967

Harmonies

Analogous

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



10.0851, 7.6400, 67.0466



15.9979, 7.6400, 42.7510



20.1825, 7.6400, 16.3244

Triad

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



15.9979, 7.6400, 42.7510



9.6860, 7.6400, 0.0000



1.5530, 7.6400, 17.8272

Complementary

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



15.9979, 7.6400, 42.7510



19.0100, 33.4211, 6.0213

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.



1.5220, 7.6400, 3.4818



15.9979, 7.6400, 42.7510



5.0214, 7.6400, 0.0000

Square

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



15.9979, 7.6400, 42.7510



15.5985, 7.6400, 0.0000



2.4779, 7.6400, 0.0000



2.5959, 7.6400, 44.8123

Rectangle

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



15.9979, 7.6400, 42.7510



20.6156, 7.6400, 5.8573



2.4779, 7.6400, 0.0000



1.4465, 7.6400, 11.3880

Sweetspot

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



15.9983, 7.6403, 42.7512



55.2249, 47.9575, 82.7272



10.9160, 8.6043, 43.2051



11.7534, 9.9190, 18.2173



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



15.9983, 7.6403, 42.7512



26.7736, 12.1189, 77.3092



24.6339, 12.3206, 32.8292



8.5453, 8.4896, 10.6946



10.7372, 4.8710, 30.5113



0.3990, 0.1848, 0.9629

Inverse Universe

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



19.8810, 10.4194, 7.8005



34.8997, 17.8061, 10.0087



16.5417, 32.1183, 7.2762



8.6194, 8.5545, 9.4944



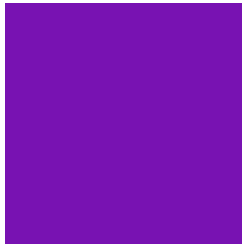
13.8376, 7.0526, 4.3045



0.4640, 0.2333, 0.2860

Previews

White Background



This preview shows how the XYZ color 15.9979, 7.6400, 42.7510 looks on a white background.

Color Contrast Check

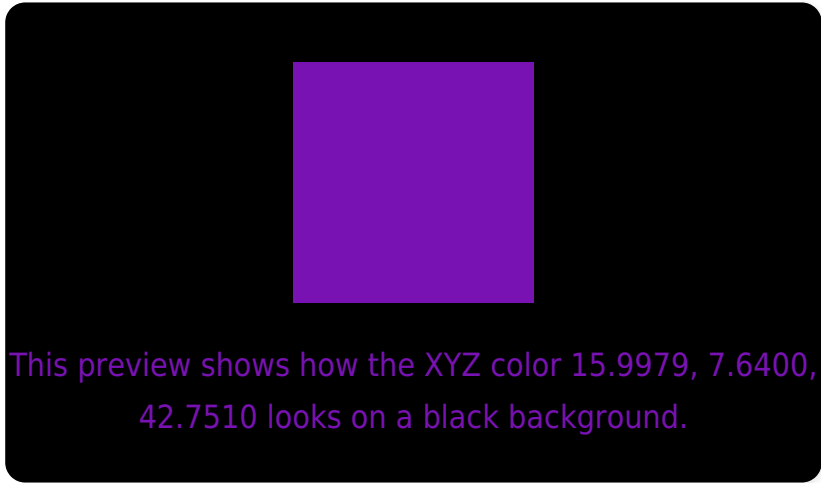
Large Text (above 18pt) WCAG AA ✓ Pass

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

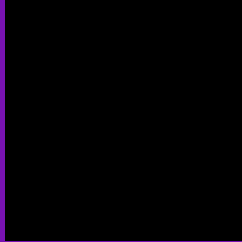
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.9979, 7.6400, 42.7510

Background



This preview shows how black text looks on a background with the XYZ color 15.9979, 7.6400, 42.7510.



This preview shows how white text looks on a background with the XYZ color 15.9979, 7.6400,

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

15.9979, 7.6400, 42.7510

Protanopia

9.1755, 7.9164, 35.2268

Deuteranopia

7.7509, 7.9280, 25.9327



Tritanopia

9.0372, 7.8531, 7.8770

Trichromacy



Original Color

15.9979, 7.6400, 42.7510



Protanomaly

9.5208, 6.1910, 37.7390



Deuteranomaly

8.4354, 5.9965, 31.2847



Tritanomaly

10.5153, 6.8994, 16.4003

Monochromacy



Original Color

15.9979, 7.6400, 42.7510



Achromatopsia

5.3350, 5.6128, 6.1124



Achromatomaly

7.5899, 5.2366, 14.5206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9979, 7.6400, 42.7510 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, 18, 178)` looks like.

```
.text, #text, p{  
    color:rgb(120, 18, 178)  
}
```

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, 18, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 18, 178) }
```

Border

The CSS property to change the border of an element to XYZ 15.9979, 7.6400, 42.7510 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, 18, 178) }
```


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

```
.border{ border-color:rgb(120, 18, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 18, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 18, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 18, 178);  
box-shadow:4px 4px 4px 4px rgb(120, 18,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9979, 7.6400, 42.7510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 18, 178) }
```

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

```
.background{ background-color: rgb(120, 18,  
178) }
```

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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