

Converting Colors

XYZ(22.5342, 10.0281, 72.8320)

Have a look what the booklet for
XYZ(22.5342, 10.0281, 72.8320)
contains.

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Color

**XYZ(22.4799, 10.0030,
72.6975)**

Conversions

Conversions Part 1

Format	Color
Hex	7F00E2
RGB	127, 0, 226
RGB Percent	50%, 0%, 89%
CMY	0.5019, 1.0000, 0.1137
CMYK	0.44, 1.00, 0.00, 0.11
HSL	274°, 100%, 44%
HSV	274°, 100%, 89%
XYZ	22.4799, 10.0030, 72.6975
YIQ	63.7370, 3.1460, 97.2100

Conversions

Conversions Part 2

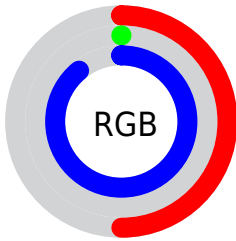
Format	Color
RYB	127, 0, 226
Decimal	8323298
CIELab	37.85, 77.11, -81.96
CIELCh	38, 112.532, 313.252
Yxy	10.0030, 0.2137, 0.0951
Android (android.graphics.Color)	4286513378 (0xFF7F00E2)
YUV	63.7370, 79.9957, 55.4817
Hunter-Lab	31.6275, 71.5243, -114.1419

Details

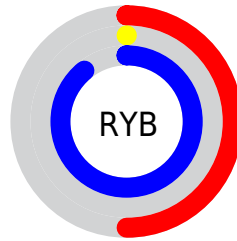
The XYZ color **22.4799, 10.0030, 72.6975** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **32.3416, 57.0454, 9.3063**, and the grayscale version is **4.7189, 4.9647, 5.4065**.

A 20% lighter version of the original color is **41.6577, 23.6487, 96.9768**, and **9.1480, 3.8887, 37.8046** is the 20% darker color. If you saturate the color by 10%, you get **22.4806, 10.0034, 72.6978**, and if you desaturate by 10%, it is **24.3269, 11.3983, 72.8697**.

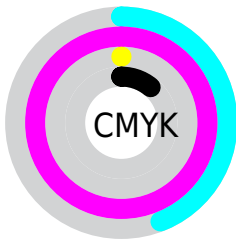
Distribution



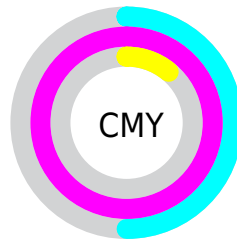
- Red (50%)
- Green (0%)
- Blue (89%)



- Red (50%)
- Yellow (0%)
- Blue (89%)



- Cyan (44%)
- Magenta (100%)
- Yellow (0%)
- Black (11%)





- Cyan (50%)
- Magenta (100%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.4799, 10.0030, 72.6975 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 22.4799, 10.0030, 72.6975 by changing the saturation by 10% instead.

 22.4799, 10.0030,
72.6975


 22.4799, 10.0030,
72.6975


257.6278,
190.6935, 489.0084


 14.3285, 5.4009,
53.2383


 47.0109, 25.8011,
124.7646

 8.4327, 2.4844,
37.6040


 64.1212, 37.7660,
158.2096


 4.4272, 0.8688,
25.3761


 84.9485, 52.9540,
197.1537

 1.9465, 0.0000,
16.1359

 109.8582, 71.7494,
242.0153

 0.6037, 0.0000,
9.4650

 139.2156, 94.5366,
293.2131

 0.0000, 0.0000,
4.9448

 173.3861,

 0.0000, 0.0000,

121.7001, 351.1655

2.1567

212.7351,
153.6243, 416.2910

■ 0.0000, 0.0000,
0.6492

■ 0.0000, 0.0000,
0.0000

■ 22.4799, 10.0030,
72.6975

■ 22.4799, 10.0030,
72.6975

■ 22.4806, 10.0034,
72.6978

■ 24.3269, 11.3983,
72.8697

■ 26.6710, 13.5680,
73.1650

■ 29.6294, 16.7394,
73.6212

■ 33.2701, 21.0433,
74.2601

■ 37.6510, 26.5901,
75.0998

■ 42.8230, 33.4765,
76.1564

■ 48.8321, 41.7894,
77.4442

■ 55.7203, 51.6083,
78.9764

■ 63.5269, 63.0065,
80.7651

Harmonies

Analogous

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



13.0431, 10.0030, 112.8112



22.4799, 10.0030, 72.6975



29.8494, 10.0030, 26.7542

Triad

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



22.4799, 10.0030, 72.6975



14.0751, 10.0030, 0.0000



1.4001, 10.0030, 22.7269

Complementary

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



22.4799, 10.0030, 72.6975



32.3416, 57.0454, 9.3063

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.



1.4618, 10.0030, 3.0011



22.4799, 10.0030, 72.6975



6.6767, 10.0030, 0.0000

Square

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



22.4799, 10.0030, 72.6975



23.5552, 10.0030, 0.0000



2.8312, 10.0030, 0.0000



2.5735, 10.0030, 66.8084

Rectangle

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



22.4799, 10.0030, 72.6975



31.0758, 10.0030, 8.7956



2.8312, 10.0030, 0.0000



1.3058, 10.0030, 13.2965

Sweetspot

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



22.4806, 10.0034, 72.6978



64.0384, 54.7094, 101.7925



18.4495, 14.9349, 73.8621



12.9616, 10.6701, 21.6263



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



22.4806, 10.0034, 72.6978



29.4300, 13.0866, 95.5826



43.5914, 21.0597, 65.8557



13.6853, 13.6213, 17.2956



12.9638, 5.7784, 41.4804



1.0009, 0.4533, 2.8800

Inverse Universe

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



33.6161, 17.0696, 13.3263



44.1479, 22.4231, 17.2426



27.2586, 54.4178, 9.3928



13.9554, 13.7998, 15.5351



19.2353, 9.7611, 7.9048



1.3777, 0.6943, 0.7818

Previews

White Background



This preview shows how the XYZ color 22.4799, 10.0030, 72.6975 looks on a white background.

Color Contrast Check

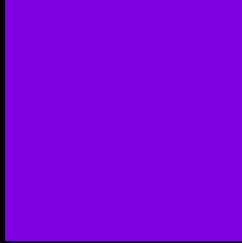
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 22.4799, 10.0030, 72.6975 looks on a 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 22.4799, 10.0030, 72.6975

Background



This preview shows how black text looks on a background with the XYZ color 22.4799, 10.0030, 72.6975.



This preview shows how white text looks on a background with the XYZ color 22.4799, 10.0030,

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

22.4799, 10.0030, 72.6975

Protanopia

12.1415, 10.4401, 46.7226

Deuteranopia

10.0859, 10.2973, 33.8037



Tritanopia

10.4850, 10.3471, 12.2710

Trichromacy



Original Color

22.4799, 10.0030, 72.6975

Protanomaly

12.8497, 7.5327, 54.8095

Deuteranomaly

11.2379, 7.1277, 45.5832

Tritanomaly

12.5564, 7.9997, 26.8689

Monochromacy



Original Color

22.4799, 10.0030, 72.6975

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

8.2986, 5.0422, 19.2747

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4799, 10.0030, 72.6975 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(127, 0, 226)` looks like.

```
.text, #text, p{  
    color:rgb(127, 0, 226)  
}
```

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(127, 0, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 0, 226) }
```

Border

The CSS property to change the border of an element to XYZ 22.4799, 10.0030, 72.6975 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(127, 0, 226) }
```


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

```
.border{ border-color:rgb(127, 0, 226) }
```

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

Here you see how a box with a 4 pixel rgb(127, 0, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 0, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 0, 226);  
box-shadow:4px 4px 4px 4px rgb(127, 0,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4799, 10.0030, 72.6975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 0, 226) }
```

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

```
.background{ background-color: rgb(127, 0,  
226) }
```

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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