

Converting Colors

XYZ(21.9904, 9.6946, 75.2075)

Have a look what the booklet for
XYZ(21.9904, 9.6946, 75.2075)
contains.

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Color

**XYZ(22.0287, 9.7062,
75.5754)**

Conversions

Conversions Part 1

Format	Color
Hex	7800E6
RGB	120, 0, 230
RGB Percent	47%, 0%, 90%
CMY	0.5294, 1.0000, 0.0980
CMYK	0.48, 1.00, 0.00, 0.10
HSL	271°, 100%, 45%
HSV	271°, 100%, 90%
XYZ	22.0287, 9.7062, 75.5754
YIQ	62.1000, -2.3100, 96.9700

Conversions

Conversions Part 2

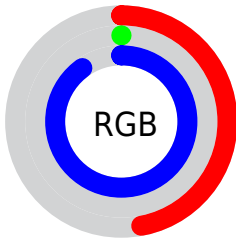
Format	Color
RYB	120, 0, 230
Decimal	7864550
CIELab	37.31, 77.34, -85.17
CIELCh	37, 115.046, 312.244
Yxy	9.7062, 0.2053, 0.0904
Android (android.graphics.Color)	4286054630 (0xFF7800E6)
YUV	62.1000, 82.7747, 50.7783
Hunter-Lab	31.1548, 71.6917, -122.0176

Details

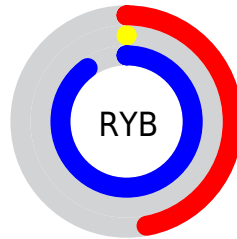
The XYZ color **22.0287, 9.7062, 75.5754** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **34.7267, 59.9085, 9.7332**, and the grayscale version is **4.4784, 4.7117, 5.1310**.

A 20% lighter version of the original color is **40.1374, 22.7570, 96.8848**, and **8.9081, 3.7209, 39.7839** is the 20% darker color. If you saturate the color by 10%, you get **22.0295, 9.7067, 75.5757**, and if you desaturate by 10%, it is **23.9502, 11.1517, 75.7534**.

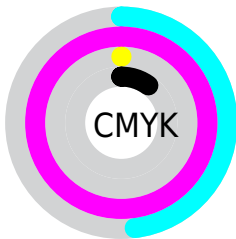
Distribution



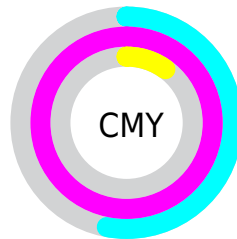
- Red (47%)
- Green (0%)
- Blue (90%)



- Red (47%)
- Yellow (0%)
- Blue (90%)



- Cyan (48%)
- Magenta (100%)
- Yellow (0%)
- Black (10%)





- Cyan (53%)
- Magenta (100%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.0287, 9.7062, 75.5754 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 22.0287, 9.7062, 75.5754 by changing the saturation by 10% instead.


 22.0287, 9.7062,
75.5754


 22.0287, 9.7062,
75.5754


255.3257,
188.5621, 499.2011


 13.9947, 5.2046,
55.5798


 46.2719, 25.2414,
128.8811


 8.1987, 2.3678,
39.4644


 63.2119, 37.0438,
163.0283

 4.2752, 0.8092,
26.8106


 83.8512, 52.0486,
202.7299

 1.8590, 0.0000,
17.1999

 108.5552, 70.6402,
248.4043

 0.5528, 0.0000,
10.2136

 137.6893, 93.2029,
300.4700

 0.0000, 0.0000,
5.4334

 171.6189,

 0.0000, 0.0000,

120.1212, 359.3457

2.4406

210.7092,
151.7795, 425.4499

■ 0.0000, 0.0000,
0.8084

■ 0.0000, 0.0000,
0.0000

■ 22.0287, 9.7062,
75.5754

■ 22.0287, 9.7062,
75.5754

■ 22.0295, 9.7067,
75.5757

■ 23.9502, 11.1517,
75.7534

■ 26.4161, 13.4184,
76.0610

■ 29.5487, 16.7421,
76.5374

■ 33.4207, 21.2604,
77.2054

■ 38.0936, 27.0890,
78.0842

■ 43.6218, 34.3296,
79.1904

■ 50.0544, 43.0736,
80.5391

■ 57.4364, 53.4044,
82.1441

■ 65.8096, 65.3992,
84.0180

Harmonies

Analogous

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



12.4873, 9.7062, 116.1302



22.0287, 9.7062, 75.5754



29.7146, 9.7062, 27.8778

Triad

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



22.0287, 9.7062, 75.5754



14.1292, 9.7062, 0.0000



1.2290, 9.7062, 21.4166

Complementary

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



22.0287, 9.7062, 75.5754



34.7267, 59.9085, 9.7332

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.



1.3211, 9.7062, 2.4980



22.0287, 9.7062, 75.5754



6.5877, 9.7062, 0.0000

Square

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



22.0287, 9.7062, 75.5754



23.7550, 9.7062, 0.0000



2.6935, 9.7062, 0.0000



2.2998, 9.7062, 65.9962

Rectangle

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



22.0287, 9.7062, 75.5754



31.1537, 9.7062, 9.0893



2.6935, 9.7062, 0.0000



1.1512, 9.7062, 12.1999

Sweetspot

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



22.0295, 9.7067, 75.5757



63.1077, 54.2296, 101.7490



19.9857, 17.1185, 77.1141



12.7410, 10.5564, 21.6160



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.



22.0295, 9.7067, 75.5757



27.7307, 12.2106, 95.5030



46.3837, 22.3232, 73.9359



14.2968, 14.2552, 18.1423



12.6140, 5.5687, 42.7932



1.0393, 0.4667, 3.1673

Inverse Universe

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



35.4475, 17.9487, 16.3466



44.7498, 22.6639, 20.4123



28.3179, 56.6023, 9.5429



14.6626, 14.4822, 16.4237



20.1293, 10.1859, 9.5758



1.5342, 0.7714, 0.9536

Previews

White Background



This preview shows how the XYZ color 22.0287, 9.7062, 75.5754 looks on a white background.

Color Contrast Check

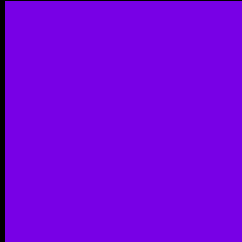
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0287, 9.7062, 75.5754 looks on a 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 22.0287, 9.7062, 75.5754

Background



This preview shows how black text looks on a background with the XYZ color 22.0287, 9.7062, 75.5754.



This preview shows how white text looks on a background with the XYZ color 22.0287, 9.7062,

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

22.0287, 9.7062, 75.5754

Protanopia

11.7713, 10.0330, 45.5721

Deuteranopia

9.7435, 10.0209, 32.4310



Tritanopia

9.5601, 10.1067, 12.7562

Trichromacy



Original Color

22.0287, 9.7062, 75.5754



Protanomaly

12.7137, 7.3914, 54.7894



Deuteranomaly

11.0462, 7.0408, 45.0328



Tritanomaly

11.6110, 7.5673, 27.6367

Monochromacy



Original Color

22.0287, 9.7062, 75.5754



Achromatopsia

4.5787, 4.8172, 5.2459



Achromatomaly

7.8679, 4.7201, 19.2353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0287, 9.7062, 75.5754 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, 0, 230)` looks like.

```
.text, #text, p{  
    color:rgb(120, 0, 230)  
}
```

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, 0, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 0, 230) }
```

Border

The CSS property to change the border of an element to XYZ 22.0287, 9.7062, 75.5754 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, 0, 230) }
```


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

```
.border{ border-color:rgb(120, 0, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 0, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 0, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 0, 230);  
box-shadow:4px 4px 4px 4px rgb(120, 0,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0287, 9.7062, 75.5754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 0, 230) }
```

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

```
.background{ background-color: rgb(120, 0,  
230) }
```

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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