

Converting Colors

XYZ(22.9519, 9.7470, 95.2794)

Have a look what the booklet for
XYZ(22.9519, 9.7470, 95.2794)
contains.

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Color

**XYZ(22.9798, 9.7614,
95.2807)**

Conversions

Conversions Part 1

Format	Color
Hex	6100FF
RGB	97, 0, 255
RGB Percent	38%, 0%, 100%
CMY	0.6196, 1.0000, 0.0000
CMYK	0.62, 1.00, 0.00, 0.00
HSL	263°, 100%, 50%
HSV	263°, 100%, 100%
XYZ	22.9798, 9.7614, 95.2807
YIQ	58.0730, -24.0430, 99.8690

Conversions

Conversions Part 2

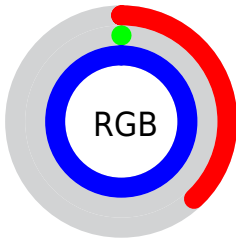
Format	Color
RYB	97, 0, 255
Decimal	6357247
CIELab	37.41, 81.27, -99.21
CIELCh	37, 128.247, 309.322
Yxy	9.7614, 0.1795, 0.0762
Android (android.graphics.Color)	4284547327 (0xFF6100FF)
YUV	58.0730, 97.0850, 34.1390
Hunter-Lab	31.2432, 76.6134, -158.9430

Details

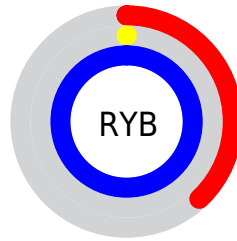
The XYZ color **22.9798, 9.7614, 95.2807** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **49.8588, 78.7882, 12.5798**, and the grayscale version is **3.9091, 4.1127, 4.4787**.

A 20% lighter version of the original color is **36.5003, 20.7758, 96.6941**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **22.9807, 9.7619, 95.2808**, and if you desaturate by 10%, it is **25.1938, 11.4348, 95.4870**.

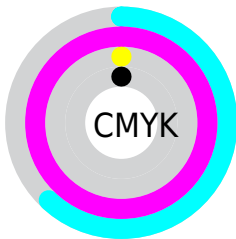
Distribution



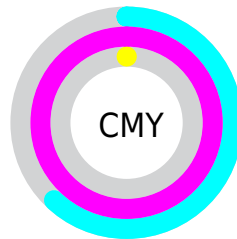
- Red (38%)
- Green (0%)
- Blue (100%)



- Red (38%)
- Yellow (0%)
- Blue (100%)



- Cyan (62%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (62%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.9798, 9.7614, 95.2807 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 22.9798, 9.7614, 95.2807 by changing the saturation by 10% instead.


 22.9798, 9.7614,
95.2807


 22.9798, 9.7614,
95.2807


260.1585,
188.9606, 566.0705


 14.6992, 5.2410,
71.7704


 47.8271, 25.3457,
156.6513


 8.6935, 2.3894,
52.4855


 65.1244, 37.1785,
195.3486

 4.5973, 0.8204,
37.0073


 86.1581, 52.2176,
239.9455

 2.0453, 0.0000,
24.9173

 111.2934, 70.8473,
290.8603

 0.6592, 0.0000,
15.7970

 140.8958, 93.4520,
348.5117

 0.0000, 0.0000,
9.2278

 175.3305,

 0.0000, 0.0000,

120.4162, 413.3182

4.7912

214.9630,
152.1243, 485.6983

0.0000, 0.0000,
2.0687

0.0000, 0.0000,
0.5971

22.9798, 9.7614,
95.2807

22.9798, 9.7614,
95.2807

22.9807, 9.7619,
95.2808

25.1938, 11.4348,
95.4870

28.2275, 14.2241,
95.8655

32.2417, 18.4240,
96.4646

37.3397, 24.2175,
97.3142

■ 43.6096, 31.7589,
98.4393

■ 51.1298, 41.1833,
99.8621

■ 59.9709, 52.6125,
101.6022

■ 70.1982, 66.1576,
103.6776

■ 81.8723, 81.9214,
106.1050

Harmonies

Analogous

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



12.0230, 9.7614, 142.2535



22.9798, 9.7614, 95.2807



32.6582, 9.7614, 35.2836

Triad

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



22.9798, 9.7614, 95.2807



15.9006, 9.7614, 0.0000



0.8471, 9.7614, 19.5665

Complementary

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



22.9798, 9.7614, 95.2807



49.8588, 78.7882, 12.5798

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.



1.0185, 9.7614, 1.3953



22.9798, 9.7614, 95.2807



6.9861, 9.7614, 0.0000

Square

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



22.9798, 9.7614, 95.2807



27.1842, 9.7614, 0.0000



2.5128, 9.7614, 0.0000



1.7097, 9.7614, 70.9057

Rectangle

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



22.9798, 9.7614, 95.2807



35.0218, 9.7614, 11.1624



2.5128, 9.7614, 0.0000



0.8060, 9.7614, 10.1119

Sweetspot

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



22.9807, 9.7619, 95.2808



59.9709, 52.6125, 101.6022



30.8824, 32.8848, 99.3275



12.0030, 10.1759, 21.5815



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.



22.9807, 9.7619, 95.2808



47.8688, 22.5922, 96.4455



17.6561, 17.7145, 22.7386



12.1608, 5.1796, 49.7934



1.3010, 0.5646, 4.8537

Inverse Universe

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



47.4108, 23.7283, 34.4249



36.4197, 71.8601, 11.9509



18.4826, 18.1763, 21.1583



24.8482, 12.4286, 18.3829



2.4726, 1.2314, 2.0704

Previews

White Background



This preview shows how the XYZ color 22.9798, 9.7614, 95.2807 looks on a white background.

Color Contrast Check

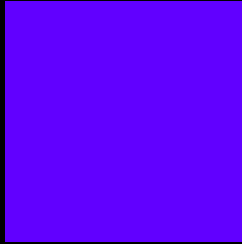
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9798, 9.7614, 95.2807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

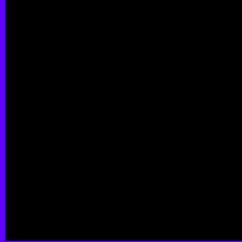
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.9798, 9.7614, 95.2807

Background



This preview shows how black text looks on a background with the XYZ color 22.9798, 9.7614, 95.2807.



This preview shows how white text looks on a background with the XYZ color 22.9798, 9.7614,

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

22.9798, 9.7614, 95.2807

Protanopia

11.5660, 9.9509, 44.4911

Deuteranopia

9.5769, 9.9542, 31.5536



Tritanopia

7.0634, 9.9643, 15.1867

Trichromacy



Original Color

22.9798, 9.7614, 95.2807

Protanomaly

13.3218, 7.5947, 59.7953

Deuteranomaly

11.5514, 7.2030, 49.4967

Tritanomaly

8.8158, 6.4504, 34.0381

Monochromacy



Original Color

22.9798, 9.7614, 95.2807

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

7.3633, 4.3126, 21.5634

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9798, 9.7614, 95.2807 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(97, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(97, 0, 255)  
}
```

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(97, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 22.9798, 9.7614, 95.2807 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(97, 0, 255) }
```

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

```
.border{ border-color:rgb(97, 0, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 0, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(97, 0, 255)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.9798, 9.7614, 95.2807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 0, 255) }
```

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

```
.background{ background-color: rgb(97, 0,  
255) }
```

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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