

Converting Colors

XYZ(24.9449, 10.8298, 92.8724)

Have a look what the booklet for
XYZ(24.9449, 10.8298, 92.8724)
contains.

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Color

**XYZ(24.9068, 10.8102,
92.8693)**

Conversions

Conversions Part 1

Format	Color
Hex	7500FC
RGB	117, 0, 252
RGB Percent	46%, 0%, 99%
CMY	0.5412, 1.0000, 0.0118
CMYK	0.54, 1.00, 0.00, 0.01
HSL	268°, 100%, 49%
HSV	268°, 100%, 99%
XYZ	24.9068, 10.8102, 92.8693
YIQ	63.7110, -11.1600, 103.1760

Conversions

Conversions Part 2

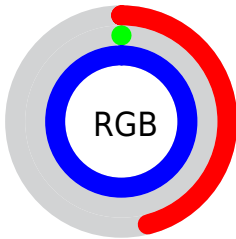
Format	Color
R_{YB}	117, 0, 252
Decimal	7667964
CIE _{Lab}	39.26, 81.78, -94.40
CIE _{LCh}	39, 124.892, 310.902
Yxy	10.8102, 0.1937, 0.0841
Android (android.graphics.Color)	4285858044 (0xFF7500FC)
YUV	63.7110, 92.8265, 46.7345
Hunter-Lab	32.8789, 77.6815, -144.4547

Details

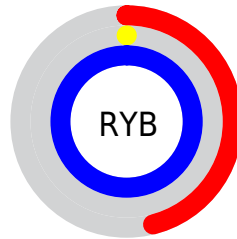
The XYZ color **24.9068, 10.8102, 92.8693** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **44.8012, 74.7715, 12.0711**, and the grayscale version is **4.6984, 4.9431, 5.3831**.

A 20% lighter version of the original color is **40.2838, 23.0499, 96.9336**, and **10.4652, 4.2701, 51.3116** is the 20% darker color. If you saturate the color by 10%, you get **24.9077, 10.8106, 92.8697**, and if you desaturate by 10%, it is **27.2064, 12.5181, 93.0781**.

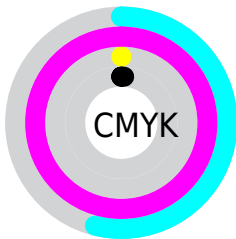
Distribution



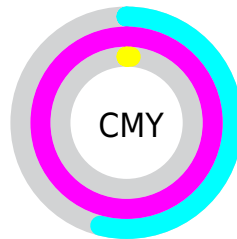
- Red (46%)
- Green (0%)
- Blue (99%)



- Red (46%)
- Yellow (0%)
- Blue (99%)



- Cyan (54%)
- Magenta (100%)
- Yellow (0%)
- Black (1%)





- Cyan (54%)
- Magenta (100%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.9068, 10.8102, 92.8693 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 24.9068, 10.8102, 92.8693 by changing the saturation by 10% instead.


 24.9068, 10.8102,
92.8693


 24.9068, 10.8102,
92.8693


269.7297,
196.3607, 558.1302


 16.1360, 5.9394,
69.7758


 50.9500, 27.3087,
153.2878

 9.7119, 2.8082,
50.8681


 68.9530, 39.7051,
191.4499

 5.2692, 1.0325,
35.7277


 90.7642, 55.3788,
235.4719

 2.4424, 0.0000,
23.9359

 116.7489, 74.7142,
285.7724

 0.8663, 0.0000,
15.0743

 147.2725, 98.0957,
342.7700

 0.0000, 0.0000,
8.7244

 182.7002,

 0.0000, 0.0000,

125.9077, 406.8831

4.4675

223.3975,
158.5346, 478.5303

■ 0.0000, 0.0000,
1.8851

■ 0.0000, 0.0000,
0.4833

■ 24.9068, 10.8102,
92.8693

■ 24.9068, 10.8102,
92.8693

■ 24.9077, 10.8106,
92.8697

■ 27.2064, 12.5181,
93.0781

■ 30.2310, 15.2736,
93.4505

■ 34.1310, 19.3612,
94.0340

■ 39.0005, 24.9553,
94.8571

■ 44.9196, 32.2027,
95.9440

■ 51.9590, 41.2322,
97.3159

■ 60.1828, 52.1593,
98.9916

■ 69.6494, 65.0898,
100.9885

■ 80.4136, 80.1213,
103.3225

Harmonies

Analogous

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



13.6449, 10.8102, 140.8357



24.9068, 10.8102, 92.8693



34.3654, 10.8102, 34.3394

Triad

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



24.9068, 10.8102, 92.8693



16.5220, 10.8102, 0.0000



1.1730, 10.8102, 22.8751

Complementary

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



24.9068, 10.8102, 92.8693



44.8012, 74.7715, 12.0711

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.



1.3194, 10.8102, 2.1925



24.9068, 10.8102, 92.8693



7.5110, 10.8102, 0.0000

Square

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



24.9068, 10.8102, 92.8693



27.9721, 10.8102, 0.0000



2.9095, 10.8102, 0.0000



2.2605, 10.8102, 75.5361

Rectangle

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



24.9068, 10.8102, 92.8693



36.3889, 10.8102, 11.0566



2.9095, 10.8102, 0.0000



1.1062, 10.8102, 12.5145

Sweetspot

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



24.9077, 10.8106, 92.8697



61.8074, 53.5592, 101.6881



26.7456, 25.3780, 95.5846



12.4341, 10.3982, 21.6016



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.



24.9077, 10.8106, 92.8697



25.5755, 11.0996, 95.4022



53.3027, 25.4488, 94.1985



17.0491, 17.0379, 21.7754



13.1409, 5.7171, 48.3845



1.3380, 0.5919, 4.4869

Inverse Universe

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



44.5178, 22.4446, 24.9054



45.7268, 23.0547, 25.5570



34.9707, 69.7036, 11.6110



17.6334, 17.3807, 19.9250



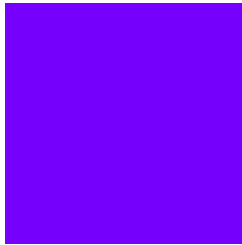
23.2650, 11.7217, 13.3700



2.2083, 1.1071, 1.5203

Previews

White Background



This preview shows how the XYZ color 24.9068, 10.8102, 92.8693 looks on a white background.

Color Contrast Check

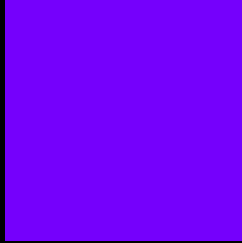
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 24.9068, 10.8102, 92.8693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

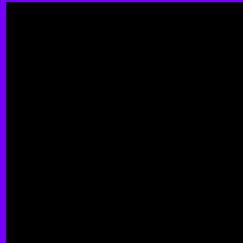
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.9068, 10.8102, 92.8693

Background



This preview shows how black text looks on a background with the XYZ color 24.9068, 10.8102, 92.8693.



This preview shows how white text looks on a background with the XYZ color 24.9068, 10.8102,

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

24.9068, 10.8102, 92.8693

Protanopia

12.9504, 11.0300, 50.1616

Deuteranopia

10.7045, 10.9744, 35.7365



Tritanopia

9.4950, 11.0781, 15.2735

Trichromacy



Original Color

24.9068, 10.8102, 92.8693

Protanomaly

14.4696, 8.2439, 63.7794

Deuteranomaly

12.5153, 7.7912, 52.4740

Tritanomaly

11.9111, 7.9747, 33.7124

Monochromacy



Original Color

24.9068, 10.8102, 92.8693

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

8.5251, 5.0908, 22.3631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9068, 10.8102, 92.8693 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(117, 0, 252)` looks like.

```
.text, #text, p{  
    color:rgb(117, 0, 252)  
}
```

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(117, 0, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 0, 252) }
```

Border

The CSS property to change the border of an element to XYZ 24.9068, 10.8102, 92.8693 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(117, 0, 252) }
```


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

```
.border{ border-color:rgb(117, 0, 252) }
```

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

Here you see how a box with a 4 pixel rgb(117, 0, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 0, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 0, 252);  
box-shadow:4px 4px 4px 4px rgb(117, 0,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9068, 10.8102, 92.8693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 0, 252) }
```

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

```
.background{ background-color: rgb(117, 0,  
252) }
```

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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