

Converting Colors

XYZ(24.4533, 10.7504, 84.9876)

Have a look what the booklet for
XYZ(24.4533, 10.7504, 84.9876)
contains.

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Color

**XYZ(24.4845, 10.7708,
84.7929)**

Conversions

Conversions Part 1

Format	Color
Hex	7D00F2
RGB	125, 0, 242
RGB Percent	49%, 0%, 95%
CMY	0.5098, 1.0000, 0.0510
CMYK	0.48, 1.00, 0.00, 0.05
HSL	271°, 100%, 47%
HSV	271°, 100%, 95%
XYZ	24.4845, 10.7708, 84.7929
YIQ	64.9630, -3.1820, 101.7620

Conversions

Conversions Part 2

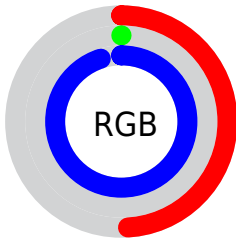
Format	Color
R _Y B	125, 0, 242
Decimal	8192242
CIE Lab	39.19, 80.25, -88.85
CIE LCh	39, 119.722, 312.088
Yxy	10.7708, 0.2040, 0.0897
Android (android.graphics.Color)	4286382322 (0xFF7D00F2)
YUV	64.9630, 87.2792, 52.6524
Hunter-Lab	32.8189, 75.7366, -130.2120

Details

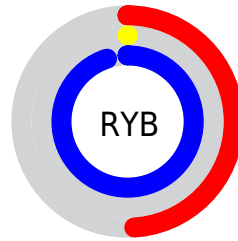
The XYZ color **24.4845, 10.7708, 84.7929** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark saturated purple. A complement of this color would be **39.0877, 67.2860, 10.9274**, and the grayscale version is **4.8914, 5.1462, 5.6042**.

A 20% lighter version of the original color is **41.7315, 23.7962, 97.0014**, and **10.2273, 4.2729, 45.6331** is the 20% darker color. If you saturate the color by 10%, you get **24.4853, 10.7712, 84.7932**, and if you desaturate by 10%, it is **26.6261, 12.3658, 84.9882**.

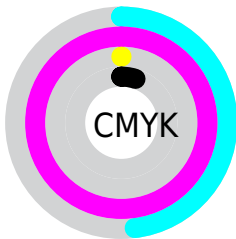
Distribution



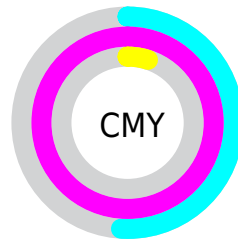
- Red (49%)
- Green (0%)
- Blue (95%)



- Red (49%)
- Yellow (0%)
- Blue (95%)



- Cyan (48%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)





- Cyan (51%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.4845, 10.7708, 84.7929 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 24.4845, 10.7708, 84.7929 by changing the saturation by 10% instead.


 24.4845, 10.7708,
84.7929


 24.4845, 10.7708,
84.7929


267.6561,
196.0883, 531.0692


 15.8201, 5.9129,
63.1211

 50.2686, 27.2356,
141.9554

 9.4870, 2.7922,
45.4976


 68.1191, 39.6112,
178.2832


 5.1198, 1.0242,
31.5037


 89.7622, 55.2616,
220.3333

 2.3532, 0.0000,
20.7210

 115.5634, 74.5711,
268.5245

 0.8217, 0.0000,
12.7310

 145.8881, 97.9242,
323.2751

 0.0000, 0.0000,
7.1150

 181.1015,

 0.0000, 0.0000,

125.7051, 385.0037

3.4546

221.5691,
158.2983, 454.1289

■ 0.0000, 0.0000,
1.3312

■ 0.0000, 0.0000,
0.0871

■ 24.4845, 10.7708,
84.7929

■ 24.4845, 10.7708,
84.7929

■ 24.4853, 10.7712,
84.7932

■ 26.6261, 12.3658,
84.9882

■ 29.3865, 14.8913,
85.3302

■ 32.9014, 18.6078,
85.8623

■ 37.2535, 23.6718,
86.6103

■ 42.5128, 30.2147,
87.5961

■ 48.7411, 38.3520,
88.8384

■ 55.9944, 48.1872,
90.3545

■ 64.3237, 59.8150,
92.1599

■ 73.7765, 73.3230,
94.2690

Harmonies

Analogous

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



13.8272, 10.7708, 130.0950



24.4845, 10.7708, 84.7929



33.1108, 10.7708, 31.2882

Triad

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



24.4845, 10.7708, 84.7929



15.7645, 10.7708, 0.0000



1.3413, 10.7708, 23.6544

Complementary

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



24.4845, 10.7708, 84.7929



39.0877, 67.2860, 10.9274

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.



1.4489, 10.7708, 2.7022



24.4845, 10.7708, 84.7929



7.3297, 10.7708, 0.0000

Square

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



24.4845, 10.7708, 84.7929



26.5243, 10.7708, 0.0000



2.9792, 10.7708, 0.0000



2.5177, 10.7708, 73.4504

Rectangle

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



24.4845, 10.7708, 84.7929



34.7531, 10.7708, 10.1874



2.9792, 10.7708, 0.0000



1.2574, 10.7708, 13.4157

Sweetspot

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



24.4853, 10.7712, 84.7932



62.9883, 54.1681, 101.7434



22.8645, 20.0856, 86.6765



12.7128, 10.5419, 21.6147



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.



24.4853, 10.7712, 84.7932



27.5221, 12.1030, 95.4933



52.6452, 25.2881, 86.1111



15.6761, 15.6303, 19.9123



13.3124, 5.8682, 45.5589



1.2223, 0.5474, 3.7955

Inverse Universe

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



39.8287, 20.1615, 18.6204



44.8327, 22.6971, 20.8488



31.7522, 63.5045, 10.5841



16.0912, 15.8862, 18.0363



21.4646, 10.8583, 10.3632



1.8357, 0.9233, 1.1258

Previews

White Background



This preview shows how the XYZ color 24.4845, 10.7708, 84.7929 looks on a white background.

Color Contrast Check

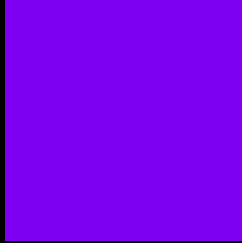
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4845, 10.7708, 84.7929 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 24.4845, 10.7708, 84.7929

Background



This preview shows how black text looks on a background with the XYZ color 24.4845, 10.7708, 84.7929.



This preview shows how white text looks on a background with the XYZ color 24.4845, 10.7708,

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

24.4845, 10.7708, 84.7929

Protanopia

13.0353, 11.1999, 50.1900

Deuteranopia

10.7937, 11.0101, 36.2066



Tritanopia

10.4255, 11.0394, 14.1517

Trichromacy



Original Color

24.4845, 10.7708, 84.7929



Protanomaly

14.1039, 8.1874, 61.1586



Deuteranomaly

12.2654, 7.7011, 50.7092



Tritanomaly

12.7325, 8.2983, 31.0677

Monochromacy



Original Color

24.4845, 10.7708, 84.7929



Achromatopsia

5.0244, 5.2861, 5.7565



Achromatomaly

8.6859, 5.1971, 21.3142

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4845, 10.7708, 84.7929 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(125, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(125, 0, 242)  
}
```

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(125, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 0, 242) }
```

Border

The CSS property to change the border of an element to XYZ 24.4845, 10.7708, 84.7929 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(125, 0, 242) }
```


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

```
.border{ border-color:rgb(125, 0, 242) }
```

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

Here you see how a box with a 4 pixel rgb(125, 0, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(125, 0,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4845, 10.7708, 84.7929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 0, 242) }
```

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

```
.background{ background-color: rgb(125, 0,  
242) }
```

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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