

Converting Colors

XYZ(24.8039, 12.2898, 84.2839)

Have a look what the booklet for
XYZ(24.8039, 12.2898, 84.2839)
contains.

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Color

**XYZ(24.8039, 12.2898,
84.2839)**

Conversions

Conversions Part 1

Format	Color
Hex	7A2CF1
RGB	122, 44, 241
RGB Percent	48%, 17%, 95%
CMY	0.5215, 0.8275, 0.0549
CMYK	0.49, 0.82, 0.00, 0.05
HSL	264°, 88%, 56%
HSV	264°, 82%, 95%
XYZ	24.8039, 12.2898, 84.2839
YIQ	89.7800, -16.7490, 77.8030

Conversions

Conversions Part 2

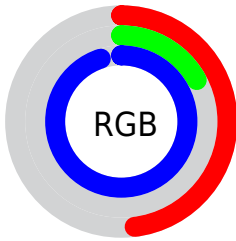
Format	Color
R _Y B	122, 44, 241
Decimal	8006897
CIE Lab	41.67, 70.93, -84.20
CIE LCh	42, 110.093, 310.110
Yxy	12.2898, 0.2044, 0.1013
Android (android.graphics.Color)	4286196977 (0xFF7A2CF1)
YUV	89.7800, 74.5515, 28.2569
Hunter-Lab	35.0568, 64.9455, -118.0058

Details

The XYZ color **24.8039, 12.2898, 84.2839** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **47.0128, 70.8784, 13.5858**, and the grayscale version is **9.5110, 10.0063, 10.8969**.

A 20% lighter version of the original color is **42.4708, 26.7177, 97.5263**, and **10.0154, 4.1758, 45.0779** is the 20% darker color. If you saturate the color by 10%, you get **22.2431, 10.0013, 83.9775**, and if you desaturate by 10%, it is **28.1953, 15.7785, 84.7789**.

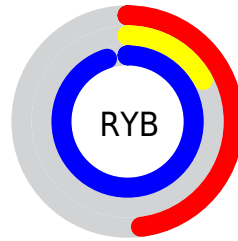
Distribution



Red (48%)

Green (17%)

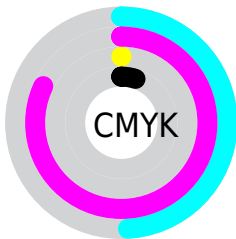
Blue (95%)



Red (48%)

Yellow (17%)

Blue (95%)

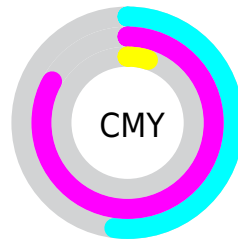


Cyan (49%)

Magenta (82%)

Yellow (0%)

Black (5%)



Cyan (52%)


Magenta (83%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.8039, 12.2898, 84.2839 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 24.8039, 12.2898, 84.2839 by changing the saturation by 10% instead.

 24.8039, 12.2898,
84.2839


 24.8039, 12.2898,
84.2839


269.2256,
206.3145, 529.3382

 16.0590, 6.9414,
62.7031


 50.7841, 30.0218,
141.2375


 9.6570, 3.4255,
45.1616


 68.7501, 43.1742,
177.4474


 5.2327, 1.3577,
31.2409


 90.5204, 59.6967,
219.3708

 2.4206, 0.1852,
20.5223

 116.4606, 79.9737,
267.4261

 0.8554, 0.0000,
12.5875

 146.9358,
104.3896, 322.0320

 0.0000, 0.0000,
7.0177

 182.3115,

 0.0000, 0.0000,

133.3287, 383.6069

3.3946

222.9530,
167.1756, 452.5695

■ 0.0000, 0.0000,
1.2995

■ 0.0000, 0.0000,
0.0614

■ 24.8039, 12.2898,
84.2839

■ 24.8039, 12.2898,
84.2839

■ 22.2431, 10.0013,
83.9775

■ 28.1953, 15.7785,
84.7789

■ 20.6413, 8.8069,
83.8313

■ 32.5063, 20.6303,
85.4882

■ 37.8153, 26.9827,
86.4345

■ 44.1905, 34.9551,
87.6373

■ 51.6938, 44.6548,
89.1141

■ 60.3816, 56.1797,
90.8807

■ 70.3068, 69.6199,
92.9518

■ 81.5184, 85.0599,
95.3411

■ 92.1523, 98.7572,
97.4245

Harmonies

Analogous

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



14.6227, 12.2898, 122.1606



24.8039, 12.2898, 84.2839



33.1962, 12.2898, 34.9138

Triad

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



24.8039, 12.2898, 84.2839



17.7965, 12.2898, 0.0000



2.0957, 12.2898, 22.7985

Complementary

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



24.8039, 12.2898, 84.2839



47.0128, 70.8784, 13.5858

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.



2.3212, 12.2898, 3.2408



24.8039, 12.2898, 84.2839



9.1630, 12.2898, 0.0000

Square

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



24.8039, 12.2898, 84.2839



28.0247, 12.2898, 0.0644



4.2640, 12.2898, 0.0000



3.3780, 12.2898, 67.2993

Rectangle

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



24.8039, 12.2898, 84.2839



35.0884, 12.2898, 13.2962



4.2640, 12.2898, 0.0000



2.0200, 12.2898, 13.4672

Sweetspot

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



24.8047, 12.2901, 84.2842



65.2002, 59.2649, 102.6106



30.4583, 33.9711, 88.1711



13.2117, 11.6986, 21.8117



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.



24.8047, 12.2901, 84.2842



23.8205, 10.2770, 95.3359



45.6963, 23.0601, 85.2620



15.4895, 15.5340, 19.9036



11.3349, 4.8487, 45.4664



1.0519, 0.4595, 3.7875

Inverse Universe

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



43.7866, 23.1462, 36.8069



47.3000, 23.7726, 33.5687



34.2235, 64.2853, 12.9872



16.1738, 15.9192, 18.4714



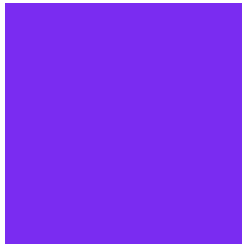
22.5352, 11.2865, 16.0007



1.9236, 0.9585, 1.5884

Previews

White Background



This preview shows how the XYZ color 24.8039, 12.2898, 84.2839 looks on a white background.

Color Contrast Check

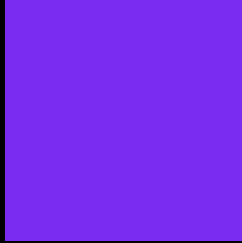
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8039, 12.2898, 84.2839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

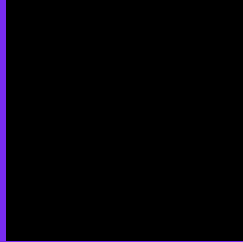
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.8039, 12.2898, 84.2839

Background



This preview shows how black text looks on a background with the XYZ color 24.8039, 12.2898, 84.2839.



This preview shows how white text looks on a background with the XYZ color 24.8039, 12.2898,

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

24.8039, 12.2898, 84.2839

Protanopia

14.4010, 12.3079, 55.6495

Deuteranopia

12.0044, 12.2476, 40.2594



Tritanopia

11.0103, 12.1283, 15.9481

Trichromacy



Original Color

24.8039, 12.2898, 84.2839

Protanomaly

15.7607, 10.5594, 64.8258

Deuteranomaly

13.8712, 10.2583, 53.4735

Tritanomaly

13.9064, 10.7343, 32.7915

Monochromacy



Original Color

24.8039, 12.2898, 84.2839

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

12.9729, 9.6342, 27.9639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8039, 12.2898, 84.2839 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(122, 44, 241)` looks like.

```
.text, #text, p{  
    color:rgb(122, 44, 241)  
}
```

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(122, 44, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 44, 241) }
```

Border

The CSS property to change the border of an element to XYZ 24.8039, 12.2898, 84.2839 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(122, 44, 241) }
```


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

```
.border{ border-color:rgb(122, 44, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 44, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 44, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 44, 241);  
box-shadow:4px 4px 4px 4px rgb(122, 44,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8039, 12.2898, 84.2839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 44, 241) }
```

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

```
.background{ background-color: rgb(122, 44,  
241) }
```

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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