

Converting Colors

XYZ(22.2471, 9.7180, 87.0939)

Have a look what the booklet for
XYZ(22.2471, 9.7180, 87.0939)
contains.

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Color

**XYZ(22.2880, 9.7310,
87.0898)**

Conversions

Conversions Part 1

Format	Color
Hex	6809F5
RGB	104, 9, 245
RGB Percent	41%, 4%, 96%
CMY	0.5921, 0.9648, 0.0392
CMYK	0.58, 0.96, 0.00, 0.04
HSL	264°, 93%, 50%
HSV	264°, 96%, 96%
XYZ	22.2880, 9.7310, 87.0898
YIQ	64.3090, -19.1360, 93.5360

Conversions

Conversions Part 2

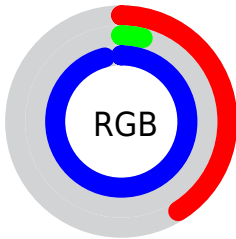
Format	Color
RYB	104, 9, 245
Decimal	6818293
CIELab	37.36, 78.35, -93.66
CIElCh	37, 122.110, 309.914
Yxy	9.7310, 0.1871, 0.0817
Android (android.graphics.Color)	4285008373 (0xFF6809F5)
YUV	64.3090, 89.0807, 34.8090
Hunter-Lab	31.1946, 72.9449, -143.6913

Details

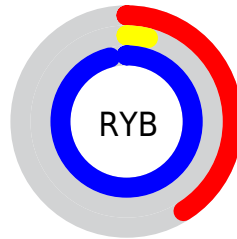
The XYZ color **22.2880, 9.7310, 87.0898** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **45.2760, 71.8070, 11.7319**, and the grayscale version is **4.7918, 5.0414, 5.4900**.

A 20% lighter version of the original color is **37.5700, 21.6509, 96.8066**, and **8.9696, 3.5879, 47.2335** is the 20% darker color. If you saturate the color by 10%, you get **21.5876, 9.2249, 87.0293**, and if you desaturate by 10%, it is **24.5978, 11.6043, 87.3300**.

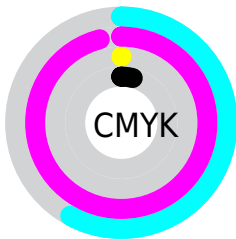
Distribution



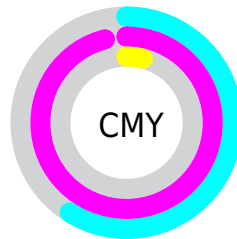
- Red (41%)
- Green (4%)
- Blue (96%)



- Red (41%)
- Yellow (4%)
- Blue (96%)



- Cyan (58%)
- Magenta (96%)
- Yellow (0%)
- Black (4%)



- Cyan (59%)
- Magenta (96%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2880, 9.7310, 87.0898 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 22.2880, 9.7310, 87.0898 by changing the saturation by 10% instead.

■ 22.2880, 9.7310,
87.0898

■ 22.2880, 9.7310,
87.0898

256.6508,
188.7412, 538.8418

■ 14.1865, 5.2210,
65.0095

■ 46.6969, 25.2883,
145.1893

■ 8.3330, 2.3775,
47.0174

■ 63.7349, 37.1044,
182.0455

■ 4.3624, 0.8143,
32.6949

■ 84.4824, 52.1245,
224.6641

■ 1.9091, 0.0000,
21.6237

■ 109.3049, 70.7333,
273.4636

■ 0.5821, 0.0000,
13.3850

■ 138.5676, 93.3149,
328.8626

■ 0.0000, 0.0000,
7.5603

■ 172.6359,

■ 0.0000, 0.0000,

120.2538, 391.2796

3.7312

211.8752,
151.9345, 461.1332

■ 0.0000, 0.0000,
1.4791

■ 0.0000, 0.0000,
0.2023

■ 22.2880, 9.7310,
87.0898

■ 22.2880, 9.7310,
87.0898

■ 21.5876, 9.2249,
87.0293

■ 24.5978, 11.6043,
87.3300

■ 27.7109, 14.6268,
87.7493

■ 31.7332, 18.9890,
88.3793

■ 36.7505, 24.8447,
89.2451

■ 42.8378, 32.3257,
90.3682

■ 50.0617, 41.5490,
91.7678

■ 58.4831, 52.6202,
93.4609

■ 68.1582, 65.6368,
95.4634

■ 79.1395, 80.6888,
97.7899

Harmonies

Analogous

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



12.0243, 9.7310, 130.1930



22.2880, 9.7310, 87.0898



31.1321, 9.7310, 32.6960

Triad

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



22.2880, 9.7310, 87.0898



15.2875, 9.7310, 0.0000



1.0036, 9.7310, 19.6459

Complementary

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



22.2880, 9.7310, 87.0898



45.2760, 71.8070, 11.7319

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.



1.1654, 9.7310, 1.7069



22.2880, 9.7310, 87.0898



6.9374, 9.7310, 0.0000

Square

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



22.2880, 9.7310, 87.0898



25.7758, 9.7310, 0.0000



2.6508, 9.7310, 0.0000



1.9262, 9.7310, 67.2712

Rectangle

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



22.2880, 9.7310, 87.0898



33.1884, 9.7310, 10.6592



2.6508, 9.7310, 0.0000



0.9544, 9.7310, 10.5318

Sweetspot

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



22.2887, 9.7312, 87.0901



61.3971, 54.1107, 101.8162



27.5956, 28.6537, 90.4628



12.2962, 10.4703, 21.6228



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.



22.2887, 9.7312, 87.0901



23.6050, 10.0837, 95.3100



46.5195, 22.2226, 88.2241



16.2127, 16.2523, 20.8251



11.7762, 5.0452, 46.8912



1.1479, 0.5016, 4.1266

Inverse Universe

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



43.2574, 21.8091, 30.7759



46.9351, 23.5380, 31.9201



33.3159, 65.6414, 11.1722



16.9147, 16.6487, 19.2976



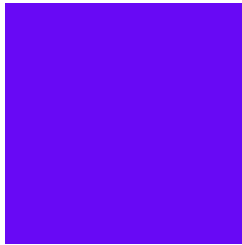
23.1668, 11.6101, 16.1183



2.0869, 1.0407, 1.6839

Previews

White Background



This preview shows how the XYZ color 22.2880, 9.7310, 87.0898 looks on a white background.

Color Contrast Check

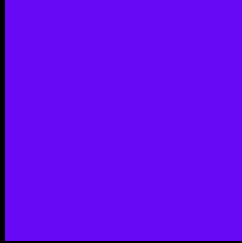
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2880, 9.7310, 87.0898 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 22.2880, 9.7310, 87.0898

Background



This preview shows how black text looks on a background with the XYZ color 22.2880, 9.7310, 87.0898.



This preview shows how white text looks on a background with the XYZ color 22.2880, 9.7310,

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

22.2880, 9.7310, 87.0898

Protanopia

11.3852, 9.7517, 43.9300

Deuteranopia

9.4909, 9.7821, 31.5249



Tritanopia

7.7127, 9.7680, 14.3109

Trichromacy



Original Color

22.2880, 9.7310, 87.0898

Protanomaly

13.0419, 7.6501, 57.2891

Deuteranomaly

11.3310, 7.2947, 47.2652

Tritanomaly

10.1337, 7.2623, 31.8780

Monochromacy



Original Color

22.2880, 9.7310, 87.0898

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

8.1544, 5.0753, 21.6689

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2880, 9.7310, 87.0898 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(104, 9, 245)` looks like.

```
.text, #text, p{  
    color:rgb(104, 9, 245)  
}
```

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(104, 9, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 9, 245) }
```

Border

The CSS property to change the border of an element to XYZ 22.2880, 9.7310, 87.0898 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(104, 9, 245) }
```


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

```
.border{ border-color:rgb(104, 9, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 9, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 9, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 9, 245);  
box-shadow:4px 4px 4px 4px rgb(104, 9,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2880, 9.7310, 87.0898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 9, 245) }
```

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

```
.background{ background-color: rgb(104, 9,  
245) }
```

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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