

Converting Colors

XYZ(22.7464, 9.7805, 88.9681)

Have a look what the booklet for
XYZ(22.7464, 9.7805, 88.9681)
contains.

XYZ(22.7324, 9.7796, 88.6852)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.7324, 9.7796,
88.6852)**

Conversions

Conversions Part 1

Format	Color
Hex	6A00F7
RGB	106, 0, 247
RGB Percent	42%, 0%, 97%
CMY	0.5843, 1.0000, 0.0314
CMYK	0.57, 1.00, 0.00, 0.03
HSL	266°, 100%, 48%
HSV	266°, 100%, 97%
XYZ	22.7324, 9.7796, 88.6852
YIQ	59.8520, -16.1110, 99.2890

Conversions

Conversions Part 2

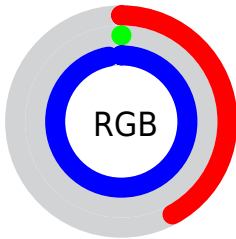
Format	Color
R _Y B	106, 0, 247
Decimal	6947063
CIE Lab	37.44, 80.00, -94.63
CIE LCh	37, 123.919, 310.211
Yxy	9.7796, 0.1876, 0.0807
Android (android.graphics.Color)	4285137143 (0xFF6A00F7)
YUV	59.8520, 92.2640, 40.4718
Hunter-Lab	31.2724, 75.0280, -146.2497

Details

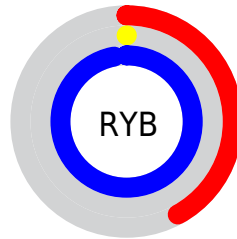
The XYZ color **22.7324, 9.7796, 88.6852** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **44.2442, 72.1839, 11.6010**, and the grayscale version is **4.1532, 4.3695, 4.7584**.

A 20% lighter version of the original color is **37.8592, 21.5826, 96.7782**, and **9.2229, 3.6935, 48.3709** is the 20% darker color. If you saturate the color by 10%, you get **22.7333, 9.7800, 88.6856**, and if you desaturate by 10%, it is **24.8903, 11.3986, 88.8843**.

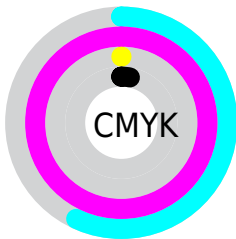
Distribution



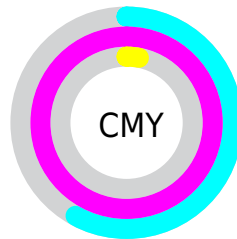
- Red (42%)
- Green (0%)
- Blue (97%)



- Red (42%)
- Yellow (0%)
- Blue (97%)



- Cyan (57%)
- Magenta (100%)
- Yellow (0%)
- Black (3%)



- Cyan (58%)
- Magenta (100%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.7324, 9.7796, 88.6852 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 22.7324, 9.7796, 88.6852 by changing the saturation by 10% instead.


 22.7324, 9.7796,
88.6852


 22.7324, 9.7796,
88.6852


258.9086,
189.0917, 544.2039


 14.5156, 5.2531,
66.3231


 47.4235, 25.3801,
147.4302


 8.5643, 2.3965,
48.0766


 64.6285, 37.2229,
184.6503

 4.5129, 0.8241,
33.5271


 85.5603, 52.2732,
227.6601

 1.9962, 0.0000,
22.2562

 110.5842, 70.9155,
276.8781

 0.6318, 0.0000,
13.8451

 140.0657, 93.5341,
332.7230

 0.0000, 0.0000,
7.8755

 174.3700,

 0.0000, 0.0000,

120.5134, 395.6132

3.9288

213.8625,
152.2378, 465.9673

0.0000, 0.0000,
1.5863

0.0000, 0.0000,
0.2810

22.7324, 9.7796,
88.6852

22.7324, 9.7796,
88.6852

22.7333, 9.7800,
88.6856

24.8903, 11.3986,
88.8843

27.7681, 14.0309,
89.2407

31.5121, 17.9508,
89.8000

36.2141, 23.3251,
90.5895

■ 41.9524, 30.2947,
91.6323

■ 48.7961, 38.9831,
92.9487

■ 56.8078, 49.5012,
94.5566

■ 66.0452, 61.9504,
96.4727

■ 76.5617, 76.4247,
98.7122

Harmonies

Analogous

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



12.2161, 9.7796, 133.5762



22.7324, 9.7796, 88.6852



31.7599, 9.7796, 32.8203

Triad

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



22.7324, 9.7796, 88.6852



15.3549, 9.7796, 0.0000



0.9687, 9.7796, 20.2240

Complementary

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



22.7324, 9.7796, 88.6852



44.2442, 72.1839, 11.6010

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.



1.1194, 9.7796, 1.7209



22.7324, 9.7796, 88.6852



6.8815, 9.7796, 0.0000

Square

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



22.7324, 9.7796, 88.6852



26.1012, 9.7796, 0.0000



2.5847, 9.7796, 0.0000



1.9012, 9.7796, 69.4342

Rectangle

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



22.7324, 9.7796, 88.6852



33.8119, 9.7796, 10.4909



2.5847, 9.7796, 0.0000



0.9170, 9.7796, 10.8073

Sweetspot

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



22.7333, 9.7800, 88.6856



61.0293, 53.1581, 101.6517



26.7745, 26.6873, 91.7360



12.2511, 10.3038, 21.5931



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.



22.7333, 9.7800, 88.6856



24.4110, 10.4992, 95.3477



48.2835, 22.9517, 89.8813



16.2556, 16.2744, 20.8271



12.1780, 5.2523, 46.9100



1.1855, 0.5210, 4.1283

Inverse Universe

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



43.1651, 21.6971, 27.1095



46.3941, 23.3216, 29.0710



33.5614, 66.6767, 11.1010



16.8955, 16.6411, 19.1965



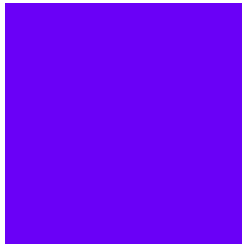
22.9011, 11.5039, 14.7197



2.0642, 1.0317, 1.5646

Previews

White Background



This preview shows how the XYZ color 22.7324, 9.7796, 88.6852 looks on a white background.

Color Contrast Check

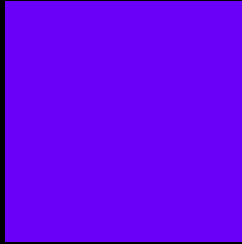
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7324, 9.7796, 88.6852 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 22.7324, 9.7796, 88.6852

Background



This preview shows how black text looks on a background with the XYZ color 22.7324, 9.7796, 88.6852.



This preview shows how white text looks on a background with the XYZ color 22.7324, 9.7796,

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

22.7324, 9.7796, 88.6852

Protanopia

11.6683, 9.9918, 45.0297

Deuteranopia

9.6599, 9.9874, 31.9905



Tritanopia

8.0468, 10.0690, 14.6161

Trichromacy



Original Color

22.7324, 9.7796, 88.6852

Protanomaly

13.2223, 7.5715, 58.5222

Deuteranomaly

11.4778, 7.1901, 48.3598

Tritanomaly

10.2680, 7.0774, 32.2774

Monochromacy



Original Color

22.7324, 9.7796, 88.6852

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

7.6500, 4.5225, 20.8918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7324, 9.7796, 88.6852 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(106, 0, 247)` looks like.

```
.text, #text, p{  
    color:rgb(106, 0, 247)  
}
```

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(106, 0, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 0, 247) }
```

Border

The CSS property to change the border of an element to XYZ 22.7324, 9.7796, 88.6852 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(106, 0, 247) }
```


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

```
.border{ border-color:rgb(106, 0, 247) }
```

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

Here you see how a box with a 4 pixel rgb(106, 0, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 0, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 0, 247);  
box-shadow:4px 4px 4px 4px rgb(106, 0,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7324, 9.7796, 88.6852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 0, 247) }
```

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

```
.background{ background-color: rgb(106, 0,  
247) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor