

Converting Colors

XYZ(22.5975, 9.8377, 82.9124)

Have a look what the booklet for
XYZ(22.5975, 9.8377, 82.9124)
contains.

XYZ(22.6676, 9.8687, 83.1482)	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(22.6676, 9.8687,
83.1482)**

Conversions

Conversions Part 1

Format	Color
Hex	7200F0
RGB	114, 0, 240
RGB Percent	45%, 0%, 94%
CMY	0.5529, 1.0000, 0.0588
CMYK	0.52, 1.00, 0.00, 0.06
HSL	269°, 100%, 47%
HSV	269°, 100%, 94%
XYZ	22.6676, 9.8687, 83.1482
YIQ	61.4460, -9.0960, 98.8080

Conversions

Conversions Part 2

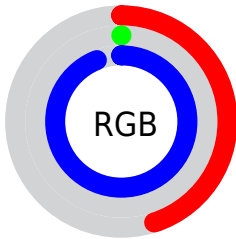
Format	Color
R_{YB}	114, 0, 240
Decimal	7471344
CIE _{Lab}	37.61, 79.01, -90.38
CIE _{LCh}	38, 120.049, 311.159
Yxy	9.8687, 0.1959, 0.0853
Android (android.graphics.Color)	4285661424 (0xFF7200F0)
YUV	61.4460, 88.0271, 46.0899
Hunter-Lab	31.4145, 73.8240, -134.9393

Details

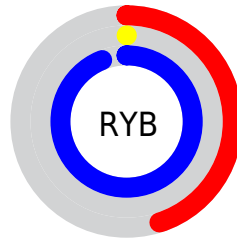
The XYZ color **22.6676, 9.8687, 83.1482** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **39.7636, 66.7556, 10.7894**, and the grayscale version is **4.3792, 4.6073, 5.0173**.

A 20% lighter version of the original color is **39.2061, 22.2769, 96.8412**, and **9.1711, 3.7525, 44.4969** is the 20% darker color. If you saturate the color by 10%, you get **22.6684, 9.8691, 83.1485**, and if you desaturate by 10%, it is **24.7486, 11.4263, 83.3395**.

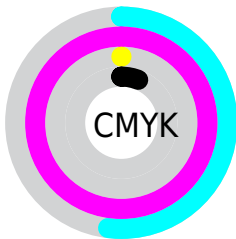
Distribution



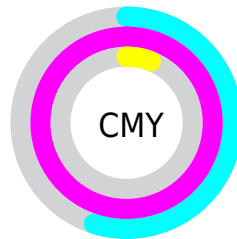
- Red (45%)
- Green (0%)
- Blue (94%)



- Red (45%)
- Yellow (0%)
- Blue (94%)



- Cyan (52%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)





- Cyan (55%)
- Magenta (100%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.6676, 9.8687, 83.1482 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 22.6676, 9.8687, 83.1482 by changing the saturation by 10% instead.


 22.6676, 9.8687,
83.1482


 22.6676, 9.8687,
83.1482


258.5804,
189.7324, 525.4642


 14.4676, 5.3120,
61.7711


 47.3176, 25.5482,
139.6341

 8.5305, 2.4315,
44.4132


 64.4984, 37.4399,
175.5800

 4.4909, 0.8420,
30.6559


 85.4034, 52.5453,
217.2192

 1.9834, 0.0000,
20.0807

 110.3981, 71.2488,
264.9703

 0.6246, 0.0000,
12.2691

 139.8478, 93.9349,
319.2518

 0.0000, 0.0000,
6.8024

 174.1178,

 0.0000, 0.0000,

120.9879, 380.4823

3.2623

213.5736,
152.7923, 449.0802

■ 0.0000, 0.0000,
1.2301

■ 0.0000, 0.0000,
0.0034

■ 22.6676, 9.8687,
83.1482

■ 22.6676, 9.8687,
83.1482

■ 22.6684, 9.8691,
83.1485

■ 24.7486, 11.4263,
83.3395

■ 27.4669, 13.9118,
83.6759

■ 30.9579, 17.5826,
84.2005

■ 35.3044, 22.5926,
84.9384

■ 40.5769, 29.0718,
85.9111

■ 46.8376, 37.1339,
87.1373

■ 54.1427, 46.8814,
88.6337

■ 62.5440, 58.4077,
90.4158

■ 72.0893, 71.7994,
92.4975

Harmonies

Analogous

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



12.5034, 9.8687, 126.4126



22.6676, 9.8687, 83.1482



31.1359, 9.8687, 30.7330

Triad

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



22.6676, 9.8687, 83.1482



14.9380, 9.8687, 0.0000



1.1053, 9.8687, 21.0563

Complementary

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



22.6676, 9.8687, 83.1482



39.7636, 66.7556, 10.7894

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.



1.2317, 9.8687, 2.1022



22.6676, 9.8687, 83.1482



6.8254, 9.8687, 0.0000

Square

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



22.6676, 9.8687, 83.1482



25.2546, 9.8687, 0.0000



2.6729, 9.8687, 0.0000



2.1168, 9.8687, 68.5742

Rectangle

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



22.6676, 9.8687, 83.1482



32.9050, 9.8687, 9.9206



2.6729, 9.8687, 0.0000



1.0409, 9.8687, 11.6145

Sweetspot

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



22.6684, 9.8691, 83.1485



62.0472, 53.6829, 101.6993



23.4474, 21.7297, 85.3968



12.4906, 10.4273, 21.6043



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.



22.6684, 9.8691, 83.1485



25.9535, 11.2944, 95.4199



49.0071, 23.4472, 84.3812



15.6115, 15.5969, 19.9093



12.5604, 5.4805, 45.5237



1.1590, 0.5148, 3.7925

Inverse Universe

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



39.7009, 20.0315, 21.5108



45.5339, 22.9776, 24.5416



31.2603, 62.3720, 10.3914



16.1195, 15.8975, 18.1854



21.8006, 10.9927, 12.1324



1.8639, 0.9346, 1.2740

Previews

White Background



This preview shows how the XYZ color 22.6676, 9.8687, 83.1482 looks on a white background.

Color Contrast Check

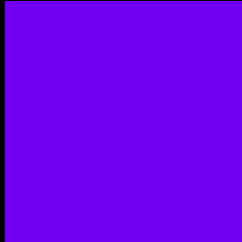
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6676, 9.8687, 83.1482 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 22.6676, 9.8687, 83.1482

Background



This preview shows how black text looks on a background with the XYZ color 22.6676, 9.8687, 83.1482.



This preview shows how white text looks on a background with the XYZ color 22.6676, 9.8687,

83.1482.

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

22.6676, 9.8687, 83.1482

Protanopia

11.8517, 10.1938, 45.5989

Deuteranopia

9.9151, 10.2290, 32.9043



Tritanopia

8.8618, 10.1079, 13.7959

Trichromacy



Original Color

22.6676, 9.8687, 83.1482

Protanomaly

13.0601, 7.5156, 57.2622

Deuteranomaly

11.4481, 7.1872, 47.7976

Tritanomaly

11.1619, 7.4212, 30.5499

Monochromacy



Original Color

22.6676, 9.8687, 83.1482

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.7997, 4.6629, 20.2276

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6676, 9.8687, 83.1482 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(114, 0, 240)` looks like.

```
.text, #text, p{  
    color:rgb(114, 0, 240)  
}
```

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(114, 0, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 0, 240) }
```

Border

The CSS property to change the border of an element to XYZ 22.6676, 9.8687, 83.1482 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(114, 0, 240) }
```


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

```
.border{ border-color:rgb(114, 0, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 0, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 0, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 0, 240);  
box-shadow:4px 4px 4px 4px rgb(114, 0,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6676, 9.8687, 83.1482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 0, 240) }
```

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

```
.background{ background-color: rgb(114, 0,  
240) }
```

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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