

Converting Colors

XYZ(22.5361, 10.1562, 81.2107)

Have a look what the booklet for
XYZ(22.5361, 10.1562, 81.2107)
contains.

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Color

**XYZ(22.4418, 10.1244,
80.8922)**

Conversions

Conversions Part 1

Format	Color
Hex	7212ED
RGB	114, 18, 237
RGB Percent	45%, 7%, 93%
CMY	0.5529, 0.9294, 0.0706
CMYK	0.52, 0.92, 0.00, 0.07
HSL	266°, 86%, 50%
HSV	266°, 92%, 93%
XYZ	22.4418, 10.1244, 80.8922
YIQ	71.6700, -13.0830, 88.4610

Conversions

Conversions Part 2

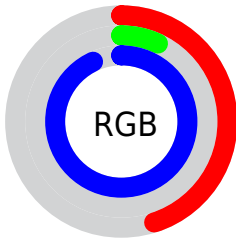
Format	Color
R_{YB}	114, 18, 237
Decimal	7475949
CIE _{Lab}	38.06, 76.00, -87.92
CIE _{LCh}	38, 116.217, 310.839
Yxy	10.1244, 0.1978, 0.0892
Android (android.graphics.Color)	4285666029 (0xFF7212ED)
YUV	71.6700, 81.5077, 37.1234
Hunter-Lab	31.8189, 70.2128, -128.4581

Details

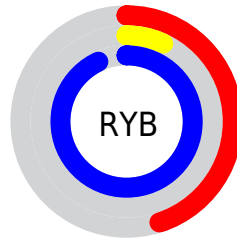
The XYZ color **22.4418, 10.1244, 80.8922** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed purple. A complement of this color would be **41.3756, 66.2738, 11.1833**, and the grayscale version is **5.9700, 6.2809, 6.8399**.

A 20% lighter version of the original color is **39.4300, 23.0641, 96.9814**, and **8.9360, 3.6667, 42.8846** is the 20% darker color. If you saturate the color by 10%, you get **20.9837, 9.0516, 80.7623**, and if you desaturate by 10%, it is **24.9027, 12.2849, 81.1798**.

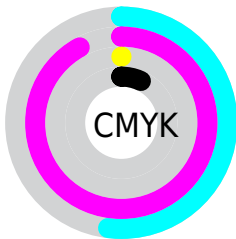
Distribution



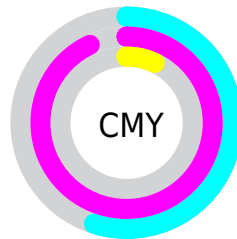
- Red (45%)
- Green (7%)
- Blue (93%)



- Red (45%)
- Yellow (7%)
- Blue (93%)



- Cyan (52%)
- Magenta (92%)
- Yellow (0%)
- Black (7%)





- Cyan (55%)
- Magenta (93%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4418, 10.1244, 80.8922 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 22.4418, 10.1244, 80.8922 by changing the saturation by 10% instead.


 22.4418, 10.1244,
80.8922


 22.4418, 10.1244,
80.8922


257.4341,
191.5576, 517.7204


 14.3003, 5.4815,
59.9223


 46.9486, 26.0292,
136.4421


 8.4129, 2.5325,
42.9312

 64.0445, 38.0600,
171.8592


 4.4143, 0.8928,
29.5001


 84.8560, 53.3221,
212.9292

 1.9391, 0.0000,
19.2106

 109.7484, 72.2000,
260.0705

 0.5994, 0.0000,
11.6442

 139.0871, 95.0781,
313.7018

 0.0000, 0.0000,
6.3823

 173.2373,

 0.0000, 0.0000,

122.3409, 374.2415

3.0064

212.5645,
154.3726, 442.1082

■ 0.0000, 0.0000,
1.0979

■ 0.0000, 0.0000,
0.0000

■ 22.4418, 10.1244,
80.8922

■ 22.4418, 10.1244,
80.8922

■ 20.9837, 9.0516,
80.7623

■ 24.9027, 12.2849,
81.1798

■ 28.1200, 15.5702,
81.6444

■ 32.1803, 20.1382,
82.3121

■ 37.1563, 26.1206,
83.2045

■ 43.1117, 33.6318,
84.3405

■ 50.1038, 42.7742,
85.7366

■ 58.1853, 53.6413,
87.4082

■ 67.4049, 66.3190,
89.3693

■ 77.8083, 80.8877,
91.6331

Harmonies

Analogous

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



12.5922, 10.1244, 121.3494



22.4418, 10.1244, 80.8922



30.6347, 10.1244, 30.8504

Triad

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



22.4418, 10.1244, 80.8922



15.1641, 10.1244, 0.0000



1.2779, 10.1244, 20.7375

Complementary

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



22.4418, 10.1244, 80.8922



41.3756, 66.2738, 11.1833

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.



1.4239, 10.1244, 2.2731



22.4418, 10.1244, 80.8922



7.1615, 10.1244, 0.0000

Square

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



22.4418, 10.1244, 80.8922



25.1413, 10.1244, 0.0000



2.9448, 10.1244, 0.0000



2.3236, 10.1244, 65.9443

Rectangle

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



22.4418, 10.1244, 80.8922



32.3899, 10.1244, 10.4309



2.9448, 10.1244, 0.0000



1.2126, 10.1244, 11.6387

Sweetspot

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



22.4425, 10.1246, 80.8925



63.1031, 55.7673, 102.0460



25.2228, 25.6178, 83.7364



12.6567, 10.8021, 21.6679



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.



22.4425, 10.1246, 80.8925



24.7058, 10.6512, 95.3615



45.7491, 22.1396, 81.9832



14.8578, 14.8720, 19.0097



11.6012, 5.0166, 44.0998



1.0197, 0.4500, 3.4680

Inverse Universe

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



39.9481, 20.3596, 27.0183



46.2136, 23.2495, 28.1208



31.0077, 60.9289, 10.6981



15.4197, 15.1957, 17.4956



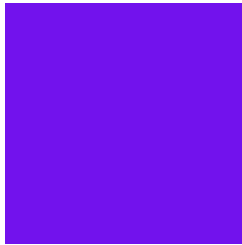
21.4501, 10.7827, 13.4373



1.7326, 0.8660, 1.3091

Previews

White Background



This preview shows how the XYZ color 22.4418, 10.1244, 80.8922 looks on a white background.

Color Contrast Check

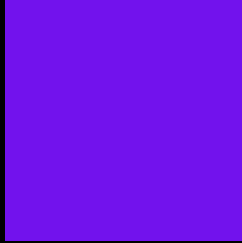
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4418, 10.1244, 80.8922 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 22.4418, 10.1244, 80.8922

Background



This preview shows how black text looks on a background with the XYZ color 22.4418, 10.1244, 80.8922.



This preview shows how white text looks on a background with the XYZ color 22.4418, 10.1244,

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

22.4418, 10.1244, 80.8922

Protanopia

11.9554, 10.2353, 46.1452

Deuteranopia

9.9151, 10.2290, 32.9043



Tritanopia

9.0110, 10.1848, 13.8028

Trichromacy



Original Color

22.4418, 10.1244, 80.8922



Protanomaly

13.4166, 8.2285, 57.3810



Deuteranomaly

11.6196, 7.8706, 46.8057



Tritanomaly

11.4777, 8.1731, 29.8268

Monochromacy



Original Color

22.4418, 10.1244, 80.8922



Achromatopsia

6.1596, 6.4803, 7.0571



Achromatomaly

9.3233, 6.1482, 22.5251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4418, 10.1244, 80.8922 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, 18, 237)` looks like.

```
.text, #text, p{  
    color:rgb(114, 18, 237)  
}
```

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, 18, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 18, 237) }
```

Border

The CSS property to change the border of an element to XYZ 22.4418, 10.1244, 80.8922 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, 18, 237) }
```


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

```
.border{ border-color:rgb(114, 18, 237) }
```

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

Here you see how a box with a 4 pixel rgb(114, 18, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 18, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 18, 237);  
box-shadow:4px 4px 4px 4px rgb(114, 18,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4418, 10.1244, 80.8922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 18, 237) }
```

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

```
.background{ background-color: rgb(114, 18,  
237) }
```

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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