

Converting Colors

XYZ(22.3136, 9.7775, 79.0058)

Have a look what the booklet for
XYZ(22.3136, 9.7775, 79.0058)
contains.

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Color

**XYZ(22.3315, 9.7801,
79.3080)**

Conversions

Conversions Part 1

Format	Color
Hex	7500EB
RGB	117, 0, 235
RGB Percent	46%, 0%, 92%
CMY	0.5412, 1.0000, 0.0784
CMYK	0.50, 1.00, 0.00, 0.08
HSL	270°, 100%, 46%
HSV	270°, 100%, 92%
XYZ	22.3315, 9.7801, 79.3080
YIQ	61.7730, -5.7030, 97.8890

Conversions

Conversions Part 2

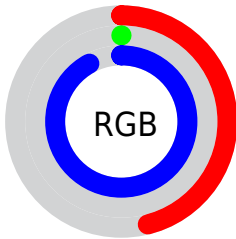
Format	Color
R_{YB}	117, 0, 235
Decimal	7667947
CIE _{Lab}	37.44, 78.16, -87.80
CIE _{LCh}	37, 117.554, 311.676
Yxy	9.7801, 0.2004, 0.0878
Android (android.graphics.Color)	4285858027 (0xFF7500EB)
YUV	61.7730, 85.4009, 48.4341
Hunter-Lab	31.2732, 72.7351, -128.4669

Details

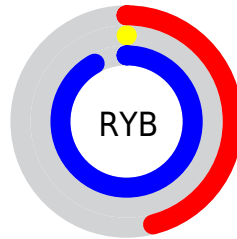
The XYZ color **22.3315, 9.7801, 79.3080** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark washed purple. A complement of this color would be **37.1790, 63.2681, 10.2524**, and the grayscale version is **4.4287, 4.6593, 5.0740**.

A 20% lighter version of the original color is **39.6684, 22.5153, 96.8629**, and **9.0746, 3.7498, 42.3650** is the 20% darker color. If you saturate the color by 10%, you get **22.3323, 9.7804, 79.3083**, and if you desaturate by 10%, it is **24.3355, 11.2829, 79.4927**.

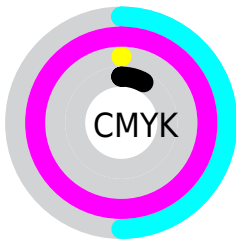
Distribution



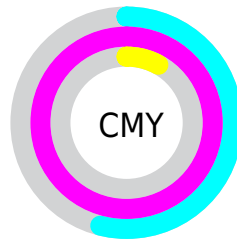
- Red (46%)
- Green (0%)
- Blue (92%)



- Red (46%)
- Yellow (0%)
- Blue (92%)



- Cyan (50%)
- Magenta (100%)
- Yellow (0%)
- Black (8%)



- Cyan (54%)
- Magenta (100%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3315, 9.7801, 79.3080 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 22.3315, 9.7801, 79.3080 by changing the saturation by 10% instead.

■ 22.3315, 9.7801,
79.3080

■ 22.3315, 9.7801,
79.3080

256.8725,
189.0953, 512.2428

■ 14.2186, 5.2534,
58.6263

■ 46.7681, 25.3811,
134.1950

■ 8.3556, 2.3967,
41.8943

■ 63.8225, 37.2241,
169.2373

■ 4.3770, 0.8242,
28.6936

■ 84.5882, 52.2747,
209.9035

■ 1.9176, 0.0000,
18.6056

■ 109.4304, 70.9173,
256.6123

■ 0.5870, 0.0000,
11.2117

■ 138.7146, 93.5363,
309.7820

■ 0.0000, 0.0000,
6.0935

■ 172.8062,

■ 0.0000, 0.0000,

120.5160, 369.8313

2.8323

212.0703,
152.2409, 437.1788

■ 0.0000, 0.0000,
1.0096

■ 0.0000, 0.0000,
0.0000

■ 22.3315, 9.7801,
79.3080

■ 22.3315, 9.7801,
79.3080

■ 22.3323, 9.7804,
79.3083

■ 24.3355, 11.2829,
79.4927

■ 26.9293, 13.6593,
79.8147

■ 30.2416, 17.1558,
80.3150

■ 34.3500, 21.9178,
81.0176

■ 39.3203, 28.0681,
81.9428

■ 45.2107, 35.7143,
83.1082

■ 52.0738, 44.9531,
84.5298

■ 59.9578, 55.8730,
86.2220

■ 68.9076, 68.5556,
88.1983

Harmonies

Analogous

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



12.4833, 9.7801, 121.1889



22.3315, 9.7801, 79.3080



30.4053, 9.7801, 29.2877

Triad

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



22.3315, 9.7801, 79.3080



14.5257, 9.7801, 0.0000



1.1638, 9.7801, 21.2096

Complementary

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



22.3315, 9.7801, 79.3080



37.1790, 63.2681, 10.2524

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.



1.2740, 9.7801, 2.2878



22.3315, 9.7801, 79.3080



6.7029, 9.7801, 0.0000

Square

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



22.3315, 9.7801, 79.3080



24.4906, 9.7801, 0.0000



2.6810, 9.7801, 0.0000



2.2032, 9.7801, 67.2342

Rectangle

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



22.3315, 9.7801, 79.3080



32.0092, 9.7801, 9.5007



2.6810, 9.7801, 0.0000



1.0931, 9.7801, 11.8860

Sweetspot

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



22.3323, 9.7804, 79.3083



62.5633, 53.9489, 101.7235



21.8836, 19.7745, 81.2610



12.6123, 10.4901, 21.6100



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.



22.3323, 9.7804, 79.3083



26.7969, 11.7292, 95.4593



47.9775, 23.0010, 80.5085



14.9457, 14.9173, 19.0138



12.5761, 5.5191, 44.1454



1.0984, 0.4906, 3.4717

Inverse Universe

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



37.5308, 18.9701, 18.8216



45.1387, 22.8195, 22.4604



29.7575, 59.4421, 9.9051



15.3810, 15.1802, 17.2914



20.9521, 10.5835, 10.8149



1.6938, 0.8505, 1.1050

Previews

White Background



This preview shows how the XYZ color 22.3315, 9.7801, 79.3080 looks on a white background.

Color Contrast Check

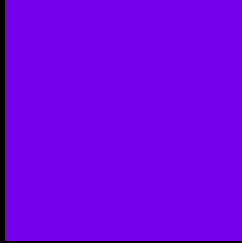
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3315, 9.7801, 79.3080 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 22.3315, 9.7801, 79.3080

Background



This preview shows how black text looks on a background with the XYZ color 22.3315, 9.7801, 79.3080.



This preview shows how white text looks on a background with the XYZ color 22.3315, 9.7801, 79.3080.

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

22.3315, 9.7801, 79.3080

Protanopia

11.8517, 10.1938, 45.5989

Deuteranopia

9.8279, 10.0546, 32.8752



Tritanopia

9.2212, 10.1748, 13.2823

Trichromacy



Original Color

22.3315, 9.7801, 79.3080

Protanomaly

12.9051, 7.4630, 56.0187

Deuteranomaly

11.3172, 7.1443, 46.6814

Tritanomaly

11.3229, 7.5414, 28.8758

Monochromacy



Original Color

22.3315, 9.7801, 79.3080

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.9069, 4.7255, 19.8974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3315, 9.7801, 79.3080 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(117, 0, 235)` looks like.

```
.text, #text, p{  
    color:rgb(117, 0, 235)  
}
```

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(117, 0, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 0, 235) }
```

Border

The CSS property to change the border of an element to XYZ 22.3315, 9.7801, 79.3080 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(117, 0, 235) }
```


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

```
.border{ border-color:rgb(117, 0, 235) }
```

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

Here you see how a box with a 4 pixel rgb(117, 0, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 0, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 0, 235);  
box-shadow:4px 4px 4px 4px rgb(117, 0,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3315, 9.7801, 79.3080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 0, 235) }
```

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

```
.background{ background-color: rgb(117, 0,  
235) }
```

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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