

Converting Colors

XYZ(21.9612, 10.8768, 21.1165)

Have a look what the booklet for
XYZ(21.9612, 10.8768, 21.1165)
contains.

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Color

**XYZ(21.9622, 10.8794,
21.0211)**

Conversions

Conversions Part 1

Format	Color
Hex	B1007F
RGB	177, 0, 127
RGB Percent	69%, 0%, 50%
CMY	0.3059, 0.9999, 0.5020
CMYK	0.00, 1.00, 0.28, 0.31
HSL	317°, 100%, 35%
HSV	317°, 100%, 69%
XYZ	21.9622, 10.8794, 21.0211
YIQ	67.4010, 64.7250, 77.0210

Conversions

Conversions Part 2

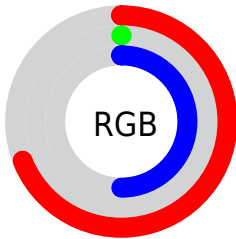
Format	Color
RYB	177, 0, 127
Decimal	11599999
CIELab	39.38, 68.13, -20.12
CIElCh	39, 71.035, 343.550
Yxy	10.8794, 0.4077, 0.2020
Android (android.graphics.Color)	4289790079 (0xFFB1007F)
YUV	67.4010, 29.3823, 96.1183
Hunter-Lab	32.9839, 61.1315, -14.6975

Details

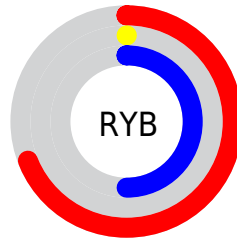
The XYZ color **21.9622, 10.8794, 21.0211** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **16.2988, 31.6750, 8.2753**, and the grayscale version is **5.3485, 5.6270, 6.1278**.

A 20% lighter version of the original color is **46.2565, 27.4863, 46.0474**, and **8.9829, 4.4720, 7.5975** is the 20% darker color. If you saturate the color by 10%, you get **21.9618, 10.8792, 21.0187**, and if you desaturate by 10%, it is **22.5083, 11.4369, 22.8514**.

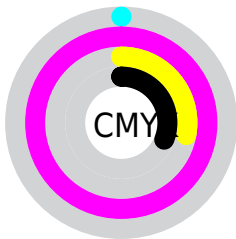
Distribution



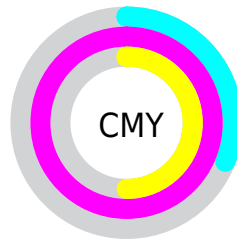
- Red (69%)
- Green (0%)
- Blue (50%)



- Red (69%)
- Yellow (0%)
- Blue (50%)



- Cyan (0%)
- Magenta (100%)
- Yellow (28%)
- Black (31%)



- Cyan (31%)
- Magenta (100%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9622, 10.8794, 21.0211 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 21.9622, 10.8794, 21.0211 by changing the saturation by 10% instead.

■ 21.9622, 10.8794,
21.0211

■ 21.9622, 10.8794,
21.0211

254.9849,
196.8383, 270.1753

■ 13.9456, 5.9858,
12.9480

■ 46.1628, 27.4369,
46.0039

■ 8.1643, 2.8364,
7.2625

■ 63.0775, 39.8697,
63.7507

■ 4.2529, 1.0470,
3.5459

■ 83.6890, 55.5842,
85.5592

■ 1.8462, 0.0000,
1.3797

■ 108.3626, 74.9650,
111.8478

■ 0.5453, 0.0000,
0.1258

■ 137.4636, 98.3964,
143.0353

■ 0.0000, 0.0000,
0.0000

■ 171.3574,

126.2628, 179.5399

210.4094,
158.9487, 221.7805

■ 21.9622, 10.8794,
21.0211

■ 21.9622, 10.8794,
21.0211

■ 21.9618, 10.8792,
21.0187

■ 22.5083, 11.4369,
22.8514

■ 23.2606, 12.3806,
24.8313

■ 24.2930, 13.8579,
26.9866

■ 25.6404, 15.9381,
29.3300

■ 27.3323, 18.6803,
31.8725

■ 29.3950, 22.1363,
34.6238

■ 31.8519, 26.3526,
37.5927

■ 34.7245, 31.3722,
40.7874

■ 38.0327, 37.2344,
44.2155

Harmonies

Analogous

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



18.0946, 10.8794, 43.1990



21.9622, 10.8794, 21.0211



22.1626, 10.8794, 6.6682

Triad

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



21.9622, 10.8794, 21.0211



8.3248, 10.8794, 0.0000



4.9889, 10.8794, 40.9961

Complementary

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



21.9622, 10.8794, 21.0211



16.2988, 31.6750, 8.2753

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.



3.7117, 10.8794, 19.1831



21.9622, 10.8794, 21.0211



5.1949, 10.8794, 1.1588

Square

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



21.9622, 10.8794, 21.0211



13.1813, 10.8794, 0.0000



3.7731, 10.8794, 5.8253



7.9404, 10.8794, 59.6006

Rectangle

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



21.9622, 10.8794, 21.0211



20.1005, 10.8794, 2.4183



3.7731, 10.8794, 5.8253



4.3971, 10.8794, 33.2900

Sweetspot

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



21.9625, 10.8800, 21.0213



56.7955, 46.7635, 67.0370



9.1185, 3.7844, 41.8449



11.9011, 9.4319, 14.0460



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.9625, 10.8800, 21.0213



39.2335, 19.4446, 37.1208



18.5376, 9.5100, 2.9858



8.7456, 8.6050, 10.1587



15.9390, 7.8932, 15.3708



0.5250, 0.2577, 0.6071

Inverse Universe

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



21.9625, 10.8800, 21.0213



39.2335, 19.4446, 37.1208



20.1455, 33.2137, 28.5323



8.7456, 8.6050, 10.1587



15.9390, 7.8932, 15.3708



0.5250, 0.2577, 0.6071

Previews

White Background



This preview shows how the XYZ color 21.9622, 10.8794, 21.0211 looks on a white background.

Color Contrast Check

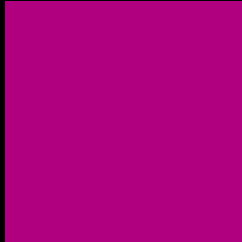
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9622, 10.8794, 21.0211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

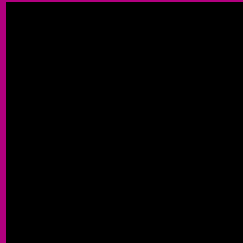
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.9622, 10.8794, 21.0211

Background



This preview shows how black text looks on a background with the XYZ color 21.9622, 10.8794, 21.0211.



This preview shows how white text looks on a background with the XYZ color 21.9622, 10.8794,

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

21.9622, 10.8794, 21.0211

Protanopia

13.4271, 11.7692, 45.2801

Deuteranopia

11.7583, 11.4878, 19.0504



Tritanopia

18.7737, 11.2998, 4.4404

Trichromacy



Original Color

21.9622, 10.8794, 21.0211



Protanomaly

12.6131, 8.0808, 34.6132



Deuteranomaly

13.3890, 8.8182, 19.4087



Tritanomaly

19.3834, 10.5962, 8.4208

Monochromacy



Original Color

21.9622, 10.8794, 21.0211



Achromatopsia

5.3350, 5.6128, 6.1124



Achromatomaly

8.7305, 5.5748, 10.0671

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9622, 10.8794, 21.0211 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(177, 0, 127)` looks like.

```
.text, #text, p{  
    color:rgb(177, 0, 127)  
}
```

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(177, 0, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 0, 127) }
```

Border

The CSS property to change the border of an element to XYZ 21.9622, 10.8794, 21.0211 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(177, 0, 127) }
```


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

```
.border{ border-color:rgb(177, 0, 127) }
```

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

Here you see how a box with a 4 pixel rgb(177, 0, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 0, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 0, 127);  
box-shadow:4px 4px 4px 4px rgb(177, 0,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9622, 10.8794, 21.0211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 0, 127) }
```

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

```
.background{ background-color: rgb(177, 0,  
127) }
```

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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