

Converting Colors

XYZ(22.3136, 11.0596, 21.0780)

Have a look what the booklet for
XYZ(22.3136, 11.0596, 21.0780)
contains.

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Color

**XYZ(22.4212, 11.1160,
21.0426)**

Conversions

Conversions Part 1

Format	Color
Hex	B3007F
RGB	179, 0, 127
RGB Percent	70%, 0%, 50%
CMY	0.2980, 0.9999, 0.5020
CMYK	0.00, 1.00, 0.29, 0.30
HSL	317°, 100%, 35%
HSV	317°, 100%, 70%
XYZ	22.4212, 11.1160, 21.0426
YIQ	67.9990, 65.9170, 77.4450

Conversions

Conversions Part 2

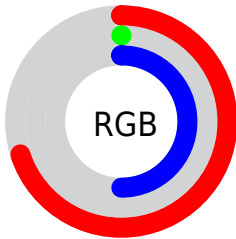
Format	Color
R_{YB}	179, 0, 127
Decimal	11731071
CIE _{Lab}	39.78, 68.53, -19.47
CIE _{LCh}	40, 71.243, 344.142
Yxy	11.1160, 0.4108, 0.2037
Android (android.graphics.Color)	4289921151 (0xFFB3007F)
YUV	67.9990, 29.0875, 97.3479
Hunter-Lab	33.3407, 61.6930, -14.0818

Details

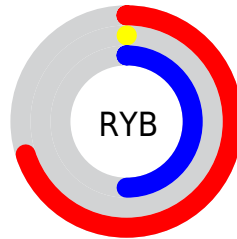
The XYZ color **22.4212, 11.1160, 21.0426** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **16.7409, 32.4887, 8.6404**, and the grayscale version is **5.4439, 5.7274, 6.2371**.

A 20% lighter version of the original color is **46.9281, 27.8325, 46.0788**, and **9.2603, 4.6150, 7.6104** is the 20% darker color. If you saturate the color by 10%, you get **22.4208, 11.1159, 21.0402**, and if you desaturate by 10%, it is **22.9842, 11.6854, 22.9461**.

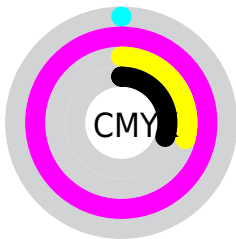
Distribution



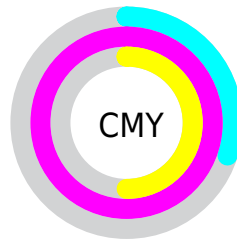
- Red (70%)
- Green (0%)
- Blue (50%)



- Red (70%)
- Yellow (0%)
- Blue (50%)



- Cyan (0%)
- Magenta (100%)
- Yellow (29%)
- Black (30%)



- Cyan (30%)
- Magenta (100%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4212, 11.1160, 21.0426 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 22.4212, 11.1160, 21.0426 by changing the saturation by 10% instead.

■ 22.4212, 11.1160,
21.0426

■ 22.4212, 11.1160,
21.0426

257.3293,
198.4617, 270.2933

■ 14.2851, 6.1449,
12.9636

■ 46.9149, 27.8745,
46.0401

■ 8.4022, 2.9334,
7.2731

■ 64.0031, 40.4306,
63.7957

■ 4.4073, 1.0971,
3.5524

■ 84.8060, 56.2840,
85.6140

■ 1.9351, 0.0000,
1.3832

■ 109.6891, 75.8188,
111.9134

■ 0.5971, 0.0000,
0.1285

■ 139.0176, 99.4196,
143.1124

■ 0.0000, 0.0000,
0.0000

■ 173.1569,

127.4708, 179.6298

212.4723,
160.3567, 221.8839

■ 22.4212, 11.1160,
21.0426

■ 22.4212, 11.1160,
21.0426

■ 22.4208, 11.1159,
21.0402

■ 22.9842, 11.6854,
22.9461

■ 23.7603, 12.6526,
25.0082

■ 24.8248, 14.1677,
27.2553

■ 26.2134, 16.3021,
29.7004

■ 27.9568, 19.1163,
32.3551

■ 30.0818, 22.6637,
35.2293

■ 32.6126, 26.9924,
38.3323

■ 35.5713, 32.1462,
41.6726

■ 38.9784, 38.1658,
45.2581

Harmonies

Analogous

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



18.5499, 11.1160, 43.4894



22.4212, 11.1160, 21.0426



22.5417, 11.1160, 6.6489

Triad

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



22.4212, 11.1160, 21.0426



8.4327, 11.1160, 0.0000



5.1568, 11.1160, 42.1666

Complementary

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



22.4212, 11.1160, 21.0426



16.7409, 32.4887, 8.6404

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.



3.8238, 11.1160, 19.9374



22.4212, 11.1160, 21.0426



5.2811, 11.1160, 1.2435

Square

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



22.4212, 11.1160, 21.0426



13.3455, 11.1160, 0.0032



3.8609, 11.1160, 6.1404



8.2010, 11.1160, 60.8020

Rectangle

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



22.4212, 11.1160, 21.0426



20.4020, 11.1160, 2.4132



3.8609, 11.1160, 6.1404



4.5422, 11.1160, 34.3489

Sweetspot

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



22.4216, 11.1166, 21.0428



58.1535, 47.9029, 68.3521



9.4889, 3.9522, 42.9107



12.4489, 9.8652, 14.6210



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



22.4216, 11.1166, 21.0428



40.0528, 19.8673, 37.1446



18.9537, 9.7295, 2.7814



8.7427, 8.6038, 10.1434



15.8729, 7.8667, 15.0223



0.5233, 0.2571, 0.5982

Inverse Universe

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



22.4216, 11.1166, 21.0428



40.0528, 19.8673, 37.1446



20.8705, 34.1405, 30.3868



8.7427, 8.6038, 10.1434



15.8729, 7.8667, 15.0223



0.5233, 0.2571, 0.5982

Previews

White Background



This preview shows how the XYZ color 22.4212, 11.1160, 21.0426 looks on a white background.

Color Contrast Check

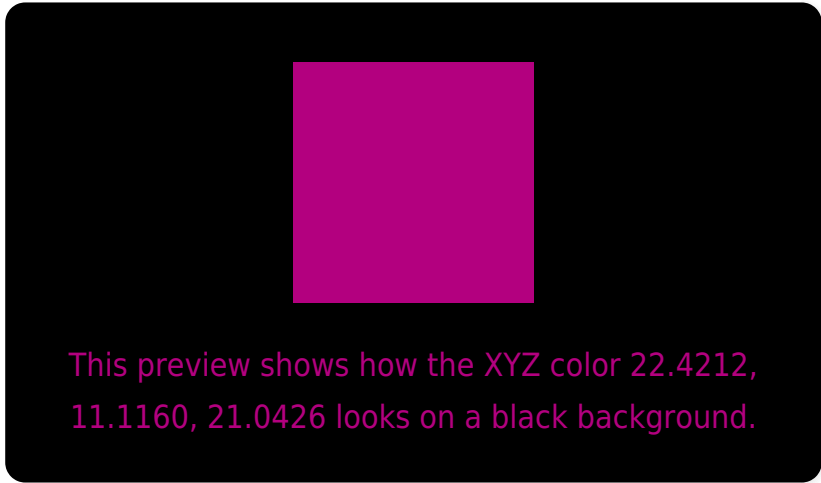
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 22.4212, 11.1160, 21.0426

Background



This preview shows how black text looks on a background with the XYZ color 22.4212, 11.1160, 21.0426.



This preview shows how white text looks on a background with the XYZ color 22.4212, 11.1160,

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

22.4212, 11.1160, 21.0426

Protanopia

13.5702, 11.8430, 45.2868

Deuteranopia

11.9486, 11.7170, 19.0846



Tritanopia

19.2160, 11.5278, 4.4611

Trichromacy



Original Color

22.4212, 11.1160, 21.0426

Protanomaly

12.9268, 8.2425, 34.6279

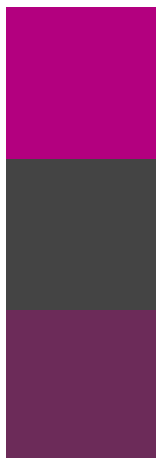
Deuteranomaly

13.5862, 8.9968, 19.4328

Tritanomaly

19.8323, 10.8276, 8.4418

Monochromacy



Original Color

22.4212, 11.1160, 21.0426

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

8.8514, 5.6372, 10.0728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4212, 11.1160, 21.0426 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(179, 0, 127)` looks like.

```
.text, #text, p{  
    color:rgb(179, 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(179, 0, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 0, 127) }
```

Border

The CSS property to change the border of an element to XYZ 22.4212, 11.1160, 21.0426 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(179, 0, 127) }
```


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

```
.border{ border-color:rgb(179, 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(179, 0, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 0, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 0, 127);  
box-shadow:4px 4px 4px 4px rgb(179, 0,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4212, 11.1160, 21.0426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 0, 127) }
```

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

```
.background{ background-color: rgb(179, 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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