

Converting Colors

XYZ(24.4036, 11.9940, 27.6706)

Have a look what the booklet for
XYZ(24.4036, 11.9940, 27.6706)
contains.

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Color

**XYZ(24.4022, 11.9894,
27.8161)**

Conversions

Conversions Part 1

Format	Color
Hex	B60091
RGB	182, 0, 145
RGB Percent	71%, 0%, 57%
CMY	0.2863, 0.9999, 0.4314
CMYK	0.00, 1.00, 0.20, 0.29
HSL	312°, 100%, 36%
HSV	312°, 100%, 71%
XYZ	24.4022, 11.9894, 27.8161
YIQ	70.9480, 61.9270, 83.6790

Conversions

Conversions Part 2

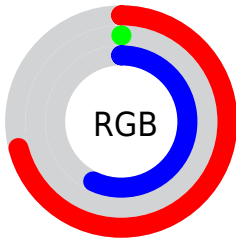
Format	Color
RYB	182, 0, 145
Decimal	11927697
CIELab	41.20, 71.24, -28.28
CIELCh	41, 76.646, 338.344
Yxy	11.9894, 0.3801, 0.1867
Android (android.graphics.Color)	4290117777 (0xFFB60091)
YUV	70.9480, 36.5076, 97.3926
Hunter-Lab	34.6257, 65.2015, -23.3918

Details

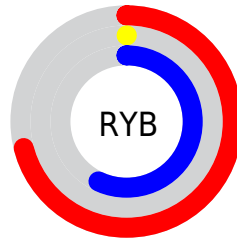
The XYZ color **24.4022, 11.9894, 27.8161** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **17.0627, 33.5899, 7.3366**, and the grayscale version is **5.9159, 6.2240, 6.7779**.

A 20% lighter version of the original color is **50.1753, 29.4978, 57.0819**, and **10.3326, 5.0932, 11.0282** is the 20% darker color. If you saturate the color by 10%, you get **24.4019, 11.9893, 27.8141**, and if you desaturate by 10%, it is **24.9124, 12.5455, 29.4172**.

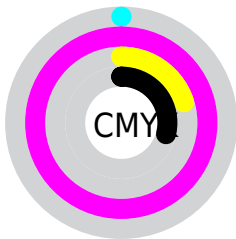
Distribution



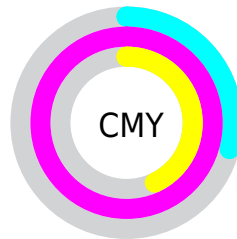
- Red (71%)
- Green (0%)
- Blue (57%)



- Red (71%)
- Yellow (0%)
- Blue (57%)



- Cyan (0%)
- Magenta (100%)
- Yellow (20%)
- Black (29%)





- Cyan (29%)
- Magenta (100%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4022, 11.9894, 27.8161 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 24.4022, 11.9894, 27.8161 by changing the saturation by 10% instead.

 24.4022, 11.9894,
27.8161


 24.4022, 11.9894,
27.8161


267.2505,
204.3351, 305.4714


 15.7586, 6.7365,
17.9492


 50.1357, 29.4758,
57.2103


 9.4432, 3.2978,
10.7445


 67.9562, 42.4780,
77.5747


 5.0908, 1.2891,
5.7833

 89.5665, 58.8322,
102.2753

 2.3360, 0.1328,
2.6471

 115.3317, 78.9226,
131.7308

 0.8130, 0.0000,
0.9166

 145.6174,
103.1337, 166.3595

 0.0000, 0.0000,
0.0000

 180.7889,

131.8499, 206.5802

221.2115,
165.4556, 252.8113

■ 24.4022, 11.9894,
27.8161

■ 24.4022, 11.9894,
27.8161

■ 24.4019, 11.9893,
27.8141

■ 24.9124, 12.5455,
29.4172

■ 25.6358, 13.5130,
31.1355

■ 26.6494, 15.0459,
32.9973

■ 27.9905, 17.2186,
35.0154

■ 29.6908, 20.0942,
37.2008

■ 31.7782, 23.7283,
39.5630

■ 34.2776, 28.1708,
42.1110

■ 37.2119, 33.4675,
44.8527

■ 40.6024, 39.6606,
47.7955

Harmonies

Analogous

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



19.3423, 11.9894, 54.4341



24.4022, 11.9894, 27.8161



25.4769, 11.9894, 9.1167

Triad

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



24.4022, 11.9894, 27.8161



9.9218, 11.9894, 0.0000



4.9273, 11.9894, 42.5053

Complementary

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



24.4022, 11.9894, 27.8161



17.0627, 33.5899, 7.3366

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.



3.7830, 11.9894, 17.9885



24.4022, 11.9894, 27.8161



5.9921, 11.9894, 0.7634

Square

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



24.4022, 11.9894, 27.8161



15.7847, 11.9894, 0.0000



4.0970, 11.9894, 4.7357



7.9063, 11.9894, 66.6979

Rectangle

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



24.4022, 11.9894, 27.8161



23.5419, 11.9894, 3.2800



4.0970, 11.9894, 4.7357



4.3677, 11.9894, 33.4932

Sweetspot

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



24.4026, 11.9900, 27.8163



61.8890, 50.6153, 76.0970



9.1861, 3.7607, 44.4979



13.2317, 10.3982, 16.3709



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



24.4026, 11.9900, 27.8163



44.1530, 21.7015, 49.9667



19.9722, 10.2179, 4.4862



9.3006, 9.1306, 10.9302



17.2566, 8.4764, 19.7697



0.6284, 0.3069, 0.8028

Inverse Universe

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



24.4026, 11.9900, 27.8163



44.1530, 21.7015, 49.9667



20.5858, 34.9992, 25.8889



9.3006, 9.1306, 10.9302



17.2566, 8.4764, 19.7697



0.6284, 0.3069, 0.8028

Previews

White Background



This preview shows how the XYZ color 24.4022, 11.9894, 27.8161 looks on a white background.

Color Contrast Check

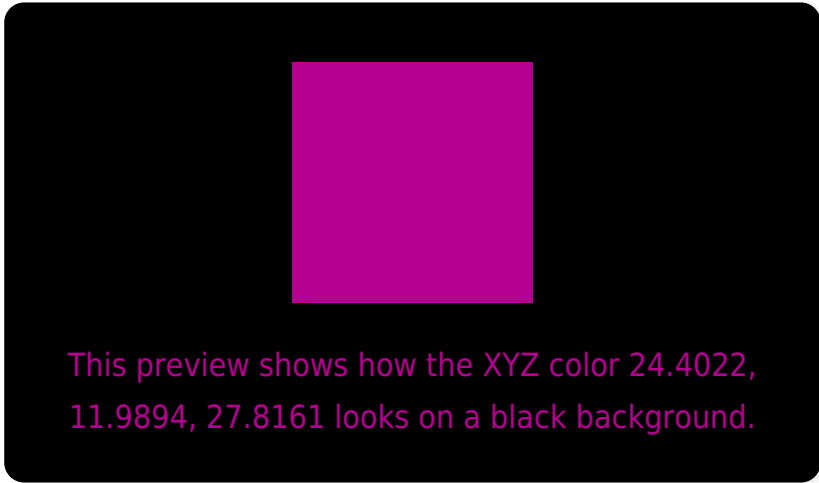
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4022, 11.9894, 27.8161

Background



This preview shows how black text looks on a background with the XYZ color 24.4022, 11.9894, 27.8161.



This preview shows how white text looks on a background with the XYZ color 24.4022, 11.9894,

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

24.4022, 11.9894, 27.8161

Protanopia

15.2023, 12.7735, 59.4219

Deuteranopia

12.9314, 12.6368, 25.0501



Tritanopia

19.9579, 12.3665, 5.6100

Trichromacy



Original Color

24.4022, 11.9894, 27.8161



Protanomaly

12.4628, 7.9146, 45.6706



Deuteranomaly

14.5512, 9.5203, 25.4968



Tritanomaly

20.8793, 11.4821, 11.0133

Monochromacy



Original Color

24.4022, 11.9894, 27.8161



Achromatopsia

5.9891, 6.3010, 6.8618



Achromatomaly

9.6985, 6.1381, 12.2289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4022, 11.9894, 27.8161 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(182, 0, 145)` looks like.

```
.text, #text, p{  
    color:rgb(182, 0, 145)  
}
```

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(182, 0, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 0, 145) }
```

Border

The CSS property to change the border of an element to XYZ 24.4022, 11.9894, 27.8161 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(182, 0, 145) }
```


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

```
.border{ border-color:rgb(182, 0, 145) }
```

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

Here you see how a box with a 4 pixel rgb(182, 0, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 0, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 0, 145);  
box-shadow:4px 4px 4px 4px rgb(182, 0,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4022, 11.9894, 27.8161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 0, 145) }
```

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

```
.background{ background-color: rgb(182, 0,  
145) }
```

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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