

Converting Colors

XYZ(24.5842, 11.8347, 39.0518)

Have a look what the booklet for
XYZ(24.5842, 11.8347, 39.0518)
contains.

XYZ(24.4893, 11.7865, 39.0145)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.4893, 11.7865,
39.0145)**

Conversions

Conversions Part 1

Format	Color
Hex	AD00AA
RGB	173, 0, 170
RGB Percent	68%, 0%, 67%
CMY	0.3216, 0.9999, 0.3333
CMYK	0.00, 1.00, 0.02, 0.32
HSL	301°, 100%, 34%
HSV	301°, 100%, 68%
XYZ	24.4893, 11.7865, 39.0145
YIQ	71.1070, 48.5380, 89.5460

Conversions

Conversions Part 2

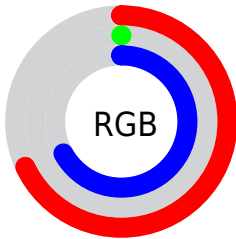
Format	Color
R_{YB}	173, 0, 170
Decimal	11337898
CIE _{Lab}	40.87, 73.01, -43.99
CIE _{LCh}	41, 85.243, 328.929
Yxy	11.7865, 0.3253, 0.1565
Android (android.graphics.Color)	4289527978 (0xFFAD00AA)
YUV	71.1070, 48.7542, 89.3602
Hunter-Lab	34.3315, 67.2474, -43.3455

Details

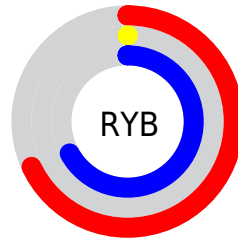
The XYZ color **24.4893, 11.7865, 39.0145** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **14.9606, 29.8944, 5.0684**, and the grayscale version is **5.9235, 6.2320, 6.7867**.

A 20% lighter version of the original color is **50.2547, 29.1438, 74.9281**, and **10.4133, 4.9974, 17.2454** is the 20% darker color. If you saturate the color by 10%, you get **24.4896, 11.7867, 39.0145**, and if you desaturate by 10%, it is **24.7234, 12.2089, 39.2329**.

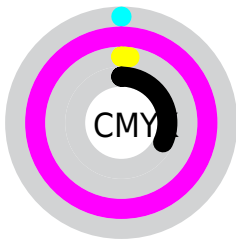
Distribution



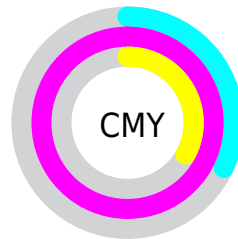
- Red (68%)
- Green (0%)
- Blue (67%)



- Red (68%)
- Yellow (0%)
- Blue (67%)



- Cyan (0%)
- Magenta (100%)
- Yellow (2%)
- Black (32%)



- Cyan (32%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4893, 11.7865, 39.0145 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 24.4893, 11.7865, 39.0145 by changing the saturation by 10% instead.

■ 24.4893, 11.7865,
39.0145

■ 24.4893, 11.7865,
39.0145

267.6798,
202.9867, 357.3799

■ 15.8237, 6.5985,
26.4631

■ 50.2764, 29.1057,
74.8811

■ 9.4895, 3.2123,
16.9415

■ 68.1286, 42.0056,
99.0333

■ 5.1215, 1.2435,
10.0313

■ 89.7736, 58.2449,
127.8895

■ 2.3542, 0.0968,
5.3138

■ 115.5769, 78.2081,
161.8683

■ 0.8222, 0.0000,
2.3706

■ 145.9038,
102.2794, 201.3882

■ 0.0000, 0.0000,
0.7704

■ 181.1197,

■ 0.0000, 0.0000,

130.8434, 246.8678

0.0000

221.5899,
164.2843, 298.7255

■ 24.4893, 11.7865,
39.0145

■ 24.4893, 11.7865,
39.0145

■ 24.4896, 11.7867,
39.0145

■ 24.7234, 12.2089,
39.2329

■ 25.1364, 12.9891,
39.5111

■ 25.7994, 14.2695,
39.8730

■ 26.7453, 16.1155,
40.3295

■ 28.0017, 18.5824,
40.8898

■ 29.5932, 21.7194,
41.5622

■ 31.5418, 25.5704,
42.3538

■ 33.8675, 30.1757,
43.2716

■ 36.5892, 35.5726,
44.3216

Harmonies

Analogous

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



17.8597, 11.7865, 70.0632



24.4893, 11.7865, 39.0145



27.4196, 11.7865, 13.4692

Triad

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



24.4893, 11.7865, 39.0145



11.4225, 11.7865, 0.0000



3.7717, 11.7865, 36.7848

Complementary

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



24.4893, 11.7865, 39.0145



14.9606, 29.8944, 5.0684

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.



3.1099, 11.7865, 12.2181



24.4893, 11.7865, 39.0145



6.4473, 11.7865, 0.0000

Square

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



24.4893, 11.7865, 39.0145



18.3810, 11.7865, 0.0000



3.8784, 11.7865, 2.1511



6.1891, 11.7865, 68.1417

Rectangle

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



24.4893, 11.7865, 39.0145



26.2913, 11.7865, 4.7503



3.8784, 11.7865, 2.1511



3.3858, 11.7865, 27.0399

Sweetspot

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



24.4898, 11.7871, 39.0147



56.2857, 45.3925, 75.7713



7.5794, 3.0363, 39.7224



11.9094, 9.2265, 16.3367



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



24.4898, 11.7871, 39.0147



43.8501, 21.1055, 69.8254



18.8197, 9.5190, 9.1564



8.3310, 8.1456, 10.0538



17.9933, 8.6599, 28.6738



0.5024, 0.2416, 0.8074

Inverse Universe

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



24.4898, 11.7871, 39.0147



43.8501, 21.1055, 69.8254



16.7637, 30.6156, 14.5637



8.3310, 8.1456, 10.0538



17.9933, 8.6599, 28.6738



0.5024, 0.2416, 0.8074

Previews

White Background



This preview shows how the XYZ color 24.4893, 11.7865, 39.0145 looks on a white background.

Color Contrast Check

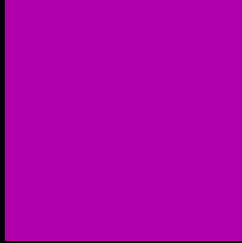
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4893, 11.7865, 39.0145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

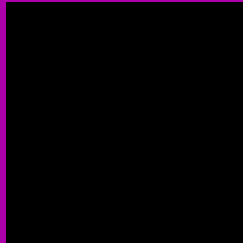
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.4893, 11.7865, 39.0145

Background



This preview shows how black text looks on a background with the XYZ color 24.4893, 11.7865, 39.0145.



This preview shows how white text looks on a background with the XYZ color 24.4893, 11.7865,

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

24.4893, 11.7865, 39.0145

Protanopia

14.7529, 12.4487, 57.5024

Deuteranopia

12.7936, 12.4859, 34.9934



Tritanopia

18.2487, 12.2558, 7.3650

Trichromacy



Original Color

24.4893, 11.7865, 39.0145



Protanomaly

12.9600, 8.0062, 49.5775



Deuteranomaly

13.9578, 9.0601, 36.1351



Tritanomaly

19.4541, 11.0048, 15.0087

Monochromacy



Original Color

24.4893, 11.7865, 39.0145



Achromatopsia

5.9891, 6.3010, 6.8618



Achromatomaly

9.7766, 6.1265, 14.5772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4893, 11.7865, 39.0145 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(173, 0, 170)` looks like.

```
.text, #text, p{  
    color:rgb(173, 0, 170)  
}
```

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(173, 0, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 0, 170) }
```

Border

The CSS property to change the border of an element to XYZ 24.4893, 11.7865, 39.0145 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(173, 0, 170) }
```


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

```
.border{ border-color:rgb(173, 0, 170) }
```

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

Here you see how a box with a 4 pixel rgb(173, 0, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 0, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 0, 170);  
box-shadow:4px 4px 4px 4px rgb(173, 0,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4893, 11.7865, 39.0145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 0, 170) }
```

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

```
.background{ background-color: rgb(173, 0,  
170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor