

Converting Colors

XYZ(24.6651, 11.8671, 39.4782)

Have a look what the booklet for
XYZ(24.6651, 11.8671, 39.4782)
contains.

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Color

**XYZ(24.5843, 11.8245,
39.5147)**

Conversions

Conversions Part 1

Format	Color
Hex	AD00AB
RGB	173, 0, 171
RGB Percent	68%, 0%, 67%
CMY	0.3216, 0.9999, 0.3294
CMYK	0.00, 1.00, 0.01, 0.32
HSL	301°, 100%, 34%
HSV	301°, 100%, 68%
XYZ	24.5843, 11.8245, 39.5147
YIQ	71.2210, 48.2170, 89.8570

Conversions

Conversions Part 2

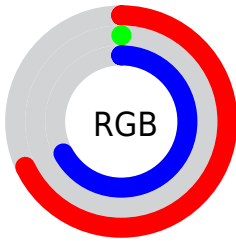
Format	Color
R_{YB}	173, 0, 171
Decimal	11337899
CIE _{Lab}	40.94, 73.16, -44.49
CIE _{LCh}	41, 85.628, 328.694
Yxy	11.8245, 0.3238, 0.1557
Android (android.graphics.Color)	4289527979 (0xFFAD00AB)
YUV	71.2210, 49.1910, 89.2602
Hunter-Lab	34.3868, 67.4390, -44.0609

Details

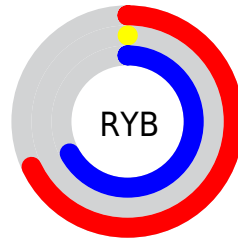
The XYZ color **24.5843, 11.8245, 39.5147** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **14.9551, 29.8922, 5.0395**, and the grayscale version is **5.9420, 6.2514, 6.8078**.

A 20% lighter version of the original color is **50.3923, 29.1989, 75.6530**, and **10.4725, 5.0210, 17.5567** is the 20% darker color. If you saturate the color by 10%, you get **24.5846, 11.8247, 39.5148**, and if you desaturate by 10%, it is **24.8091, 12.2431, 39.6839**.

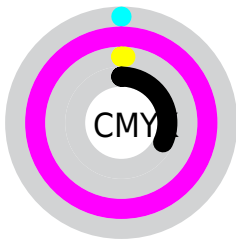
Distribution



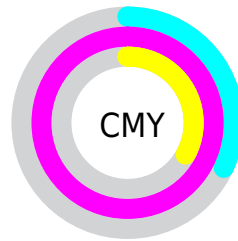
- Red (68%)
- Green (0%)
- Blue (67%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (1%)
- Black (32%)





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

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5843, 11.8245, 39.5147 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 24.5843, 11.8245, 39.5147 by changing the saturation by 10% instead.

 24.5843, 11.8245,
39.5147


 24.5843, 11.8245,
39.5147


268.1473,
203.2400, 359.5649


 15.8947, 6.6243,
26.8495


 50.4298, 29.1751,
75.6529

 9.5400, 3.2283,
17.2288


 68.3164, 42.0942,
99.9630


 5.1550, 1.2520,
10.2340


 89.9994, 58.3551,
128.9918

 2.3742, 0.1036,
5.4468

 115.8441, 78.3422,
163.1578

 0.8322, 0.0000,
2.4484

 146.2159,
102.4398, 202.8796

 0.0000, 0.0000,
0.8126

 181.4801,

 0.0000, 0.0000,

131.0324, 248.5756

0.0000

222.0021,
164.5043, 300.6646

■ 24.5843, 11.8245,
39.5147

■ 24.5843, 11.8245,
39.5147

■ 24.5846, 11.8247,
39.5148

■ 24.8091, 12.2431,
39.6839

■ 25.2127, 13.0197,
39.9128

■ 25.8663, 14.2963,
40.2251

■ 26.8027, 16.1384,
40.6319

■ 28.0497, 18.6016,
41.1423

■ 29.6316, 21.7348,
41.7645

■ 31.5706, 25.5819,
42.5059

■ 33.8868, 30.1834,
43.3731

■ 36.5988, 35.5765,
44.3725

Harmonies

Analogous

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



17.8862, 11.8245, 70.8102



24.5843, 11.8245, 39.5147



27.5794, 11.8245, 13.6581

Triad

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



24.5843, 11.8245, 39.5147



11.5091, 11.8245, 0.0000



3.7556, 11.8245, 36.7718

Complementary

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



24.5843, 11.8245, 39.5147



14.9551, 29.8922, 5.0395

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.



3.1033, 11.8245, 12.1221



24.5843, 11.8245, 39.5147



6.4839, 11.8245, 0.0000

Square

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



24.5843, 11.8245, 39.5147



18.5268, 11.8245, 0.0000



3.8862, 11.8245, 2.1044



6.1674, 11.8245, 68.4445

Rectangle

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



24.5843, 11.8245, 39.5147



26.4710, 11.8245, 4.8140



3.8862, 11.8245, 2.1044



3.3726, 11.8245, 26.9739

Sweetspot

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



24.5848, 11.8251, 39.5149



56.3383, 45.4136, 76.0483



7.5434, 3.0177, 39.7207



11.9223, 9.2317, 16.4049



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.



24.5848, 11.8251, 39.5149



44.0232, 21.1747, 70.7366



18.9344, 9.5649, 9.7603



8.3330, 8.1465, 10.0645



18.0623, 8.6875, 29.0372



0.5037, 0.2422, 0.8143

Inverse Universe

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



24.5848, 11.8251, 39.5149



44.0232, 21.1747, 70.7366



16.6444, 30.5679, 13.9350



8.3330, 8.1465, 10.0645



18.0623, 8.6875, 29.0372



0.5037, 0.2422, 0.8143

Previews

White Background



This preview shows how the XYZ color 24.5843, 11.8245, 39.5147 looks on a white background.

Color Contrast Check

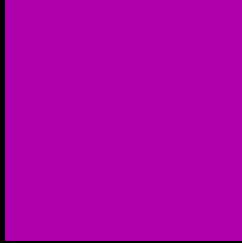
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5843, 11.8245, 39.5147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

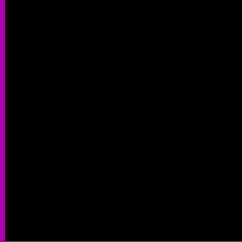
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.5843, 11.8245, 39.5147

Background



This preview shows how black text looks on a background with the XYZ color 24.5843, 11.8245, 39.5147.



This preview shows how white text looks on a background with the XYZ color 24.5843, 11.8245,

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

24.5843, 11.8245, 39.5147

Protanopia

14.7529, 12.4487, 57.5024

Deuteranopia

12.8193, 12.4890, 35.4532



Tritanopia

18.0771, 12.1636, 7.5259

Trichromacy



Original Color

24.5843, 11.8245, 39.5147



Protanomaly

13.0697, 8.0501, 50.1552



Deuteranomaly

14.0485, 9.0964, 36.6127



Tritanomaly

19.2965, 10.9175, 15.2776

Monochromacy



Original Color

24.5843, 11.8245, 39.5147



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 24.5843, 11.8245, 39.5147 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(173, 0, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 0, 171) }
```

Border

The CSS property to change the border of an element to XYZ 24.5843, 11.8245, 39.5147 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, 171) }
```


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

```
.border{ border-color:rgb(173, 0, 171) }
```

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, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 0, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 0, 171);  
box-shadow:4px 4px 4px 4px rgb(173, 0,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5843, 11.8245, 39.5147 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, 171) }
```

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

```
.background{ background-color: rgb(173, 0,  
171) }
```

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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