

Converting Colors

XYZ(24.8115, 13.1298, 39.2611)

Have a look what the booklet for
XYZ(24.8115, 13.1298, 39.2611)
contains.

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Color

**XYZ(24.8432, 13.1461,
39.2583)**

Conversions

Conversions Part 1

Format	Color
Hex	AB29AA
RGB	171, 41, 170
RGB Percent	67%, 16%, 67%
CMY	0.3294, 0.8392, 0.3333
CMYK	0.00, 0.76, 0.01, 0.33
HSL	300°, 61%, 42%
HSV	300°, 76%, 67%
XYZ	24.8432, 13.1461, 39.2583
YIQ	94.5760, 36.0710, 67.6790

Conversions

Conversions Part 2

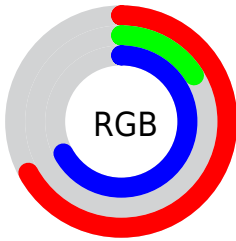
Format	Color
R_{YB}	171, 41, 170
Decimal	11217322
CIE _{Lab}	42.98, 65.45, -40.65
CIE _{LCh}	43, 77.051, 328.154
Yxy	13.1461, 0.3216, 0.1702
Android (android.graphics.Color)	4289407402 (0xFFAB29AA)
YUV	94.5760, 37.1840, 67.0238
Hunter-Lab	36.2576, 58.8552, -38.8167

Details

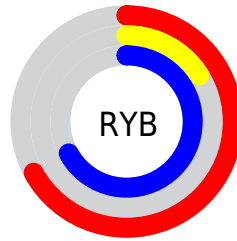
The XYZ color **24.8432, 13.1461, 39.2583** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **15.8959, 29.7650, 7.0986**, and the grayscale version is **10.6852, 11.2417, 12.2422**.

A 20% lighter version of the original color is **50.6942, 31.4564, 75.3513**, and **10.2811, 4.9292, 17.2392** is the 20% darker color. If you saturate the color by 10%, you get **24.3628, 12.2048, 39.0369**, and if you desaturate by 10%, it is **25.5815, 14.6023, 39.5659**.

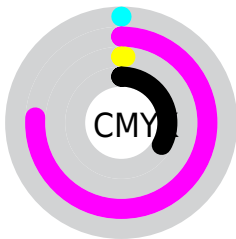
Distribution



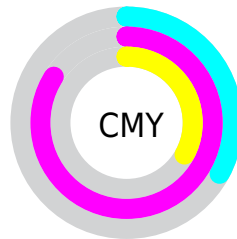
- Red (67%)
- Green (16%)
- Blue (67%)



- Red (67%)
- Yellow (16%)
- Blue (67%)



- Cyan (0%)
- Magenta (76%)
- Yellow (1%)
- Black (33%)





- Cyan (33%)
- Magenta (84%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.8432, 13.1461, 39.2583 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 24.8432, 13.1461, 39.2583 by changing the saturation by 10% instead.

 24.8432, 13.1461,
39.2583


 24.8432, 13.1461,
39.2583


269.4182,
211.8519, 358.4461


 16.0884, 7.5292,
26.6514


 50.8475, 31.5660,
75.2574

 9.6780, 3.7952,
17.0814


 68.8276, 45.1378,
99.4867

 5.2466, 1.5597,
10.1300


 90.6136, 62.1301,
128.4271

 2.4289, 0.3302,
5.3785

 116.5707, 82.9272,
162.4973

 0.8595, 0.0000,
2.4084

 147.0644,
107.9136, 202.1158

 0.0000, 0.0000,
0.7910

 182.4600,

 0.0000, 0.0000,

137.4735, 247.7010

0.0000

223.1228,
171.9915, 299.6716

■ 24.8432, 13.1461,
39.2583

■ 24.8432, 13.1461,
39.2583

■ 24.3628, 12.2048,
39.0369

■ 25.5815, 14.6023,
39.5659

■ 24.0995, 11.6981,
38.8878

■ 26.6056, 16.6306,
39.9689

■ 24.0207, 11.5484,
38.8371

■ 27.9418, 19.2830,
40.4758

■ 29.6127, 22.6048,
41.0944

■ 31.6389, 26.6372,
41.8316

■ 34.0394, 31.4182,
42.6935

■ 36.8319, 36.9831,
43.6862

■ 40.0328, 43.3648,
44.8150

■ 43.6576, 50.5944,
46.0853

Harmonies

Analogous

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



18.6585, 13.1461, 66.4304



24.8432, 13.1461, 39.2583



27.6364, 13.1461, 15.3875

Triad

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



24.8432, 13.1461, 39.2583



12.8644, 13.1461, 0.0000



4.9167, 13.1461, 35.8084

Complementary

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



24.8432, 13.1461, 39.2583



15.8959, 29.7650, 7.0986

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.



4.2325, 13.1461, 13.2913



24.8432, 13.1461, 39.2583



7.8645, 13.1461, 0.4316

Square

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



24.8432, 13.1461, 39.2583



19.4988, 13.1461, 0.6051



5.1158, 13.1461, 3.0953



7.4082, 13.1461, 63.5573

Rectangle

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



24.8432, 13.1461, 39.2583



26.6972, 13.1461, 6.3813



5.1158, 13.1461, 3.0953



4.5103, 13.1461, 27.0328

Sweetspot

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



24.8437, 13.1467, 39.2586



57.7202, 49.8103, 75.2986



9.0587, 4.9983, 39.0158



12.5563, 10.4796, 16.6780



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.



24.8437, 13.1467, 39.2586



43.2854, 21.1881, 69.7243



20.1897, 11.2851, 14.7509



8.3344, 8.1470, 10.0717



18.1088, 8.7061, 29.2822



0.5046, 0.2425, 0.8190

Inverse Universe

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



24.8437, 13.1467, 39.2586



43.2854, 21.1881, 69.7243



18.0796, 30.6384, 18.5977



8.3344, 8.1470, 10.0717



18.1088, 8.7061, 29.2822



0.5046, 0.2425, 0.8190

Previews

White Background



This preview shows how the XYZ color 24.8432, 13.1461, 39.2583 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 24.8432, 13.1461, 39.2583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

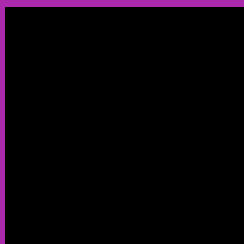
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.8432, 13.1461, 39.2583

Background



This preview shows how black text looks on a background with the XYZ color 24.8432, 13.1461, 39.2583.



This preview shows how white text looks on a background with the XYZ color 24.8432, 13.1461,

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

24.8432, 13.1461, 39.2583

Protanopia

16.0947, 13.5768, 62.7451

Deuteranopia

13.7829, 13.4155, 35.5812



Tritanopia

18.6620, 13.1884, 9.1514

Trichromacy



Original Color

24.8432, 13.1461, 39.2583



Protanomaly

14.5613, 10.4130, 52.8722



Deuteranomaly

15.6329, 11.5435, 36.5261



Tritanomaly

20.2752, 12.7466, 17.0145

Monochromacy



Original Color

24.8432, 13.1461, 39.2583



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

14.1973, 10.6482, 19.7194

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8432, 13.1461, 39.2583 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(171, 41, 170)` looks like.

```
.text, #text, p{  
    color:rgb(171, 41, 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(171, 41, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 41, 170) }
```

Border

The CSS property to change the border of an element to XYZ 24.8432, 13.1461, 39.2583 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(171, 41, 170) }
```


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

```
.border{ border-color:rgb(171, 41, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 41, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 41, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 41, 170);  
box-shadow:4px 4px 4px 4px rgb(171, 41,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8432, 13.1461, 39.2583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 41, 170) }
```

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

```
.background{ background-color: rgb(171, 41,  
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](#).

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