

Converting Colors

XYZ(42.0637, 33.1177, 82.9297)

Have a look what the booklet for
XYZ(42.0637, 33.1177, 82.9297)
contains.

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Color

**XYZ(41.9310, 32.9536,
82.7479)**

Conversions

Conversions Part 1

Format	Color
Hex	B188EB
RGB	177, 136, 235
RGB Percent	69%, 53%, 92%
CMY	0.3059, 0.4667, 0.0784
CMYK	0.25, 0.42, 0.00, 0.08
HSL	265°, 71%, 73%
HSV	265°, 42%, 92%
XYZ	41.9310, 32.9536, 82.7479
YIQ	159.5450, -7.3430, 39.4810

Conversions

Conversions Part 2

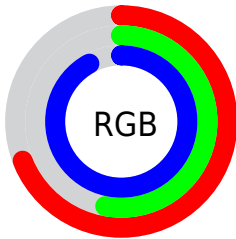
Format	Color
R_{YB}	177, 136, 235
Decimal	11634923
CIE _{Lab}	64.12, 35.27, -44.37
CIE _{LCh}	64, 56.681, 308.482
Yxy	32.9536, 0.2660, 0.2091
Android (android.graphics.Color)	4289825003 (0xFFB188EB)
YUV	159.5450, 37.1993, 15.3080
Hunter-Lab	57.4052, 29.9242, -45.2811

Details

The XYZ color **41.9310, 32.9536, 82.7479** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **56.4012, 72.6642, 34.3467**, and the grayscale version is **33.0425, 34.7632, 37.8572**.

A 20% lighter version of the original color is **70.3951, 61.5393, 102.7758**, and **19.4112, 13.8892, 44.3056** is the 20% darker color. If you saturate the color by 10%, you get **35.9978, 25.5093, 81.6243**, and if you desaturate by 10%, it is **48.9085, 42.0146, 84.1297**.

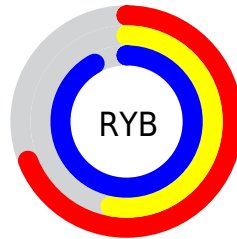
Distribution



Red (69%)

Green (53%)

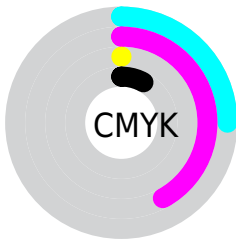
Blue (92%)



Red (69%)

Yellow (53%)

Blue (92%)

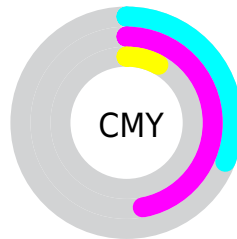


Cyan (25%)

Magenta (42%)

Yellow (0%)

Black (8%)



Cyan (31%)


Magenta (47%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9310, 32.9536, 82.7479 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 41.9310, 32.9536, 82.7479 by changing the saturation by 10% instead.


 41.9310, 32.9536,
82.7479

 41.9310, 32.9536,
82.7479


345.1933,
315.4406, 524.0949


 29.2381, 22.0909,
61.4428


 77.3610, 64.3031,
139.0684

 19.4062, 13.9237,
44.1497


 100.8289, 85.5587,
174.9209

 12.0699, 8.0676,
30.4502


 128.6191,
111.0473, 216.4595

 6.8639, 4.1382,
19.9256

161.0971,
141.1534, 264.1030

 3.4227, 1.7512,
12.1574

198.6281,
176.2614, 318.2697

 1.3810, 0.4565,
6.7271

241.5776,

 0.2426, 0.0000,

216.7557, 379.3782

3.2162

290.3109,
263.0206, 447.8471

■ 0.0000, 0.0000,
1.2061

■ 0.0000, 0.0000,
0.0000

■ 41.9310, 32.9536,
82.7479

■ 41.9310, 32.9536,
82.7479

■ 35.9978, 25.5093,
81.6243

■ 48.9085, 42.0146,
84.1297

■ 31.0480, 19.5771,
80.7401

■ 56.9793, 52.7801,
85.7822

■ 27.0195, 15.0460,
80.0779

■ 66.1931, 65.3362,
87.7202

■ 23.8400, 11.7870,
79.6164

■ 76.5958, 79.7619,
89.9564

■ 21.4244, 9.6458,
79.3304

■ 88.2302, 96.1313,
92.5028

■ 19.9599, 8.5575,
79.1975

■ 91.9955, 98.7782,
92.8152

Harmonies

Analogous

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



33.6514, 32.9536, 99.6890



41.9310, 32.9536, 82.7479



47.9699, 32.9536, 54.6414

Triad

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



41.9310, 32.9536, 82.7479



37.3254, 32.9536, 8.4811



18.4105, 32.9536, 42.7971

Complementary

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



41.9310, 32.9536, 82.7479



56.4012, 72.6642, 34.3467

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.



19.0538, 32.9536, 21.9965



41.9310, 32.9536, 82.7479



29.1015, 32.9536, 7.5271

Square

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



41.9310, 32.9536, 82.7479



45.0109, 32.9536, 14.8177



22.6719, 32.9536, 11.2231



20.7339, 32.9536, 70.9776

Rectangle

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



41.9310, 32.9536, 82.7479



49.4050, 32.9536, 37.0640



22.6719, 32.9536, 11.2231



18.2962, 32.9536, 34.7232

Sweetspot

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



41.9322, 32.9549, 82.7487



78.5839, 77.1438, 105.3562



44.7546, 50.4432, 85.9755



16.2742, 15.7638, 22.4349



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



41.9322, 32.9549, 82.7487



43.9237, 31.4356, 98.3604



54.8830, 39.6312, 83.3547



14.8222, 14.8536, 19.0081



11.2458, 4.8333, 44.0832



0.9901, 0.4347, 3.4666

Inverse Universe

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



52.8036, 39.1667, 55.8166



59.1264, 40.1382, 59.9761



45.9895, 67.2968, 33.8595



15.4356, 15.2021, 17.5794



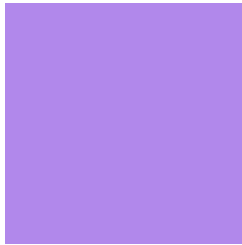
21.6729, 10.8718, 14.6106



1.7495, 0.8728, 1.3985

Previews

White Background



This preview shows how the XYZ color 41.9310, 32.9536, 82.7479 looks on a white background.

Color Contrast Check

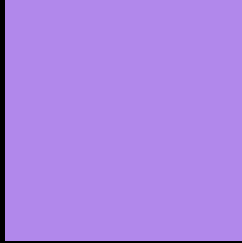
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 41.9310, 32.9536, 82.7479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

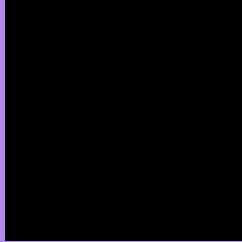
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.9310, 32.9536, 82.7479

Background



This preview shows how black text looks on a background with the XYZ color 41.9310, 32.9536, 82.7479.



This preview shows how white text looks on a background with the XYZ color 41.9310, 32.9536,

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

41.9310, 32.9536, 82.7479

Protanopia

35.7983, 33.1476, 94.1339

Deuteranopia

34.1712, 33.3498, 80.2374



Tritanopia

33.2389, 33.0293, 39.7454

Trichromacy



Original Color

41.9310, 32.9536, 82.7479

Protanomaly

37.2555, 32.5784, 89.9126

Deuteranomaly

36.3107, 32.7568, 80.7528

Tritanomaly

35.9353, 32.7105, 53.1350

Monochromacy



Original Color

41.9310, 32.9536, 82.7479

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

35.7621, 33.8281, 51.6583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9310, 32.9536, 82.7479 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(177, 136, 235)` looks like.

```
.text, #text, p{  
    color:rgb(177, 136, 235)  
}
```

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(177, 136, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 136, 235) }
```

Border

The CSS property to change the border of an element to XYZ 41.9310, 32.9536, 82.7479 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(177, 136, 235) }
```


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

```
.border{ border-color:rgb(177, 136, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 136, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 136, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 136, 235);  
box-shadow:4px 4px 4px 4px rgb(177, 136,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9310, 32.9536, 82.7479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 136, 235) }
```

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

```
.background{ background-color: rgb(177,  
136, 235) }
```

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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