

Converting Colors

XYZ(41.2749, 33.8359, 83.5470)

Have a look what the booklet for
XYZ(41.2749, 33.8359, 83.5470)
contains.

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Color

**XYZ(41.3909, 33.9482,
83.7280)**

Conversions

Conversions Part 1

Format	Color
Hex	AA8EEC
RGB	170, 142, 236
RGB Percent	67%, 56%, 93%
CMY	0.3333, 0.4431, 0.0745
CMYK	0.28, 0.40, 0.00, 0.07
HSL	258°, 71%, 74%
HSV	258°, 40%, 93%
XYZ	41.3909, 33.9482, 83.7280
YIQ	161.0880, -13.4860, 35.1700

Conversions

Conversions Part 2

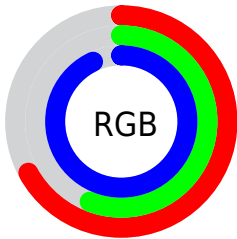
Format	Color
RYB	170, 142, 236
Decimal	11177708
CIELab	64.92, 30.19, -43.71
CIELCh	65, 53.123, 304.630
Yxy	33.9482, 0.2602, 0.2134
Android (android.graphics.Color)	4289367788 (0xFFAA8EEC)
YUV	161.0880, 36.9316, 7.8158
Hunter-Lab	58.2651, 24.8406, -44.4153

Details

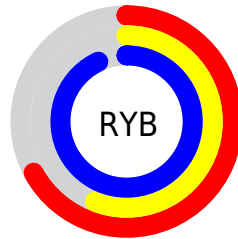
The XYZ color **41.3909, 33.9482, 83.7280** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **60.8911, 75.3545, 36.9280**, and the grayscale version is **33.7565, 35.5145, 38.6753**.

A 20% lighter version of the original color is **69.4685, 63.0307, 103.1125**, and **19.0495, 14.4223, 44.9598** is the 20% darker color. If you saturate the color by 10%, you get **34.8852, 25.9227, 82.5224**, and if you desaturate by 10%, it is **49.0939, 43.6956, 85.2041**.

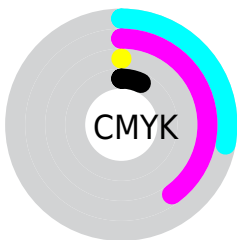
Distribution



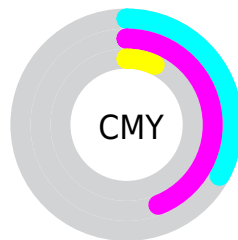
- Red (67%)
- Green (56%)
- Blue (93%)



- Red (67%)
- Yellow (56%)
- Blue (93%)



- Cyan (28%)
- Magenta (40%)
- Yellow (0%)
- Black (7%)



- Cyan (33%)
- Magenta (44%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3909, 33.9482, 83.7280 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 41.3909, 33.9482, 83.7280 by changing the saturation by 10% instead.

41.3909, 33.9482,
83.7280

41.3909, 33.9482,
83.7280

342.9865,
319.9010, 527.4440

28.8137, 22.8538,
62.2468

76.5479, 65.8531,
140.4530

19.0835, 14.4856,
44.7951

99.8584, 87.4324,
176.5338

11.8350, 8.4592,
30.9543

127.4773,
113.2755, 218.3183

6.7028, 4.3901,
20.3059

159.7701,
143.7667, 266.2249

3.3216, 1.8941,
12.4313

197.1020,
179.2905, 320.6723

1.3260, 0.5448,
6.9120

239.8385,

0.2026, 0.0000,

220.2312, 382.0789

3.3295

288.3449,
266.9732, 450.8633

■ 0.0000, 0.0000,
1.2653

■ 0.0000, 0.0000,
0.0331

■ 41.3909, 33.9482,
83.7280

■ 41.3909, 33.9482,
83.7280

■ 34.8852, 25.9227,
82.5224

■ 49.0939, 43.6956,
85.2041

■ 29.5090, 19.5119,
81.5684

■ 58.0495, 55.2556,
86.9633

■ 25.1930, 14.6025,
80.8482

■ 68.3138, 68.7168,
89.0206

■ 21.8580, 11.0642,
80.3410

■ 79.9385, 84.1611,
91.3890

■ 19.4119, 8.7431,
80.0220

■ 91.3552, 98.4314,
93.5417

■ 17.7128, 7.3888,
79.8501

■ 92.1404, 98.8362,
93.5784

■ 17.6879, 7.3694,
79.8477

Harmonies

Analogous

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



33.4715, 33.9482, 97.0413



41.3909, 33.9482, 83.7280



47.5052, 33.9482, 58.1664

Triad

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



41.3909, 33.9482, 83.7280



39.0047, 33.9482, 10.4331



19.6898, 33.9482, 40.4780

Complementary

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



41.3909, 33.9482, 83.7280



60.8911, 75.3545, 36.9280

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.



20.6947, 33.9482, 21.6639



41.3909, 33.9482, 83.7280



31.0912, 33.9482, 8.8302

Square

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



41.3909, 33.9482, 83.7280



45.9816, 33.9482, 17.7869



24.5928, 33.9482, 11.9694



21.5924, 33.9482, 66.5243

Rectangle

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



41.3909, 33.9482, 83.7280



49.2833, 33.9482, 41.0577



24.5928, 33.9482, 11.9694



19.7017, 33.9482, 33.1516

Sweetspot

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



41.3921, 33.9495, 83.7288



78.5860, 78.1570, 105.5516



49.1872, 57.5890, 87.8808



16.4676, 16.2645, 22.5214



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.



41.3921, 33.9495, 83.7288



42.7580, 32.3274, 98.5940



53.0250, 39.9465, 84.2732



14.6530, 14.7664, 19.0001



9.8632, 4.1206, 44.0185



0.8682, 0.3719, 3.4609

Inverse Universe

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



55.6511, 41.7341, 64.7974



62.2985, 43.0160, 71.7199



49.8538, 69.6646, 36.4115



15.5125, 15.2329, 17.9844



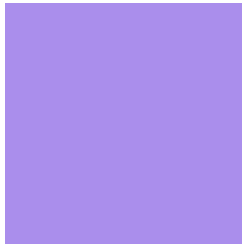
22.9063, 11.3652, 21.1058



1.8407, 0.9092, 1.8784

Previews

White Background



This preview shows how the XYZ color 41.3909, 33.9482, 83.7280 looks on a white background.

Color Contrast Check

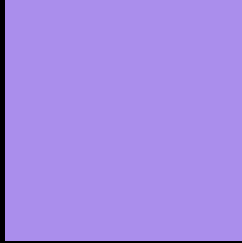
Large Text (above 18pt) WCAG AA × Fail

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 41.3909, 33.9482, 83.7280 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 41.3909, 33.9482, 83.7280

Background



This preview shows how black text looks on a background with the XYZ color 41.3909, 33.9482, 83.7280.



This preview shows how white text looks on a background with the XYZ color 41.3909, 33.9482,

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

41.3909, 33.9482, 83.7280

Protanopia

36.6782, 34.3690, 92.6964

Deuteranopia

35.2224, 34.3571, 81.8660



Tritanopia

32.9545, 33.8096, 42.3251

Trichromacy



Original Color

41.3909, 33.9482, 83.7280

Protanomaly

37.8992, 33.8592, 89.3320

Deuteranomaly

37.0640, 34.0597, 82.4626

Tritanomaly

35.5925, 33.6649, 55.0741

Monochromacy



Original Color

41.3909, 33.9482, 83.7280

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

35.9425, 34.6346, 52.3677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3909, 33.9482, 83.7280 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(170, 142, 236)` looks like.

```
.text, #text, p{  
    color:rgb(170, 142, 236)  
}
```

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(170, 142, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 142, 236) }
```

Border

The CSS property to change the border of an element to XYZ 41.3909, 33.9482, 83.7280 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(170, 142, 236) }
```


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

```
.border{ border-color:rgb(170, 142, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 142, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 142, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 142, 236); box-shadow:4px 4px 4px 4px rgb(170, 142, 236) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3909, 33.9482, 83.7280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 142, 236) }
```

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

```
.background{ background-color: rgb(170,  
142, 236) }
```

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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