

Converting Colors

XYZ(41.6925, 33.8940, 90.2880)

Have a look what the booklet for
XYZ(41.6925, 33.8940, 90.2880)
contains.

XYZ(41.7280, 33.9846, 89.9483)	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(41.7280, 33.9846,
89.9483)**

Conversions

Conversions Part 1

Format	Color
Hex	A68EF4
RGB	166, 142, 244
RGB Percent	65%, 56%, 96%
CMY	0.3490, 0.4431, 0.0431
CMYK	0.32, 0.42, 0.00, 0.04
HSL	254°, 82%, 76%
HSV	254°, 42%, 96%
XYZ	41.7280, 33.9846, 89.9483
YIQ	160.8040, -18.4380, 36.8100

Conversions

Conversions Part 2

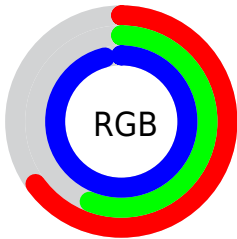
Format	Color
RYB	166, 142, 244
Decimal	10915572
CIELab	64.95, 31.09, -48.09
CIELCh	65, 57.266, 302.882
Yxy	33.9846, 0.2519, 0.2051
Android (android.graphics.Color)	4289105652 (0xFFA68EF4)
YUV	160.8040, 41.0156, 4.5569
Hunter-Lab	58.2963, 25.7502, -50.6741

Details

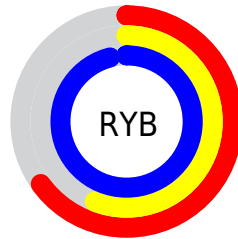
The XYZ color **41.7280, 33.9846, 89.9483** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **66.7488, 81.8705, 37.8768**, and the grayscale version is **33.6083, 35.3586, 38.5055**.

A 20% lighter version of the original color is **68.2214, 62.3878, 103.0541**, and **19.2663, 14.4495, 48.7873** is the 20% darker color. If you saturate the color by 10%, you get **34.8556, 25.6302, 88.6986**, and if you desaturate by 10%, it is **49.9650, 44.2231, 91.4910**.

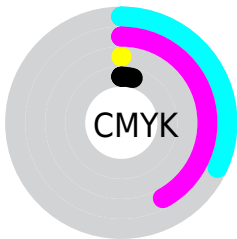
Distribution



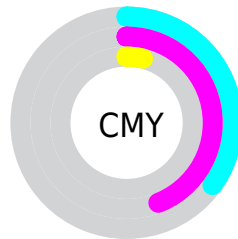
- Red (65%)
- Green (56%)
- Blue (96%)



- Red (65%)
- Yellow (56%)
- Blue (96%)



- Cyan (32%)
- Magenta (42%)
- Yellow (0%)
- Black (4%)



- Cyan (35%)
- Magenta (44%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7280, 33.9846, 89.9483 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 41.7280, 33.9846, 89.9483 by changing the saturation by 10% instead.

41.7280, 33.9846,
89.9483

41.7280, 33.9846,
89.9483

344.3650,
320.0634, 548.4284

29.0785, 22.8818,
67.3643

77.0555, 65.9097,
149.2015

19.2848, 14.5062,
48.9173

100.4644, 87.5008,
186.7077

11.9815, 8.4736,
34.1887

128.1903,
113.3567, 230.0251

6.8032, 4.3995,
22.7601

160.5988,
143.8620, 279.5722

3.3846, 1.8994,
14.2128

198.0552,
179.4008, 335.7676

1.3602, 0.5480,
8.1284

240.9247,

0.2276, 0.0000,

220.3578, 399.0297

4.0883

289.5729,
267.1172, 469.7771

■ 0.0000, 0.0000,
1.6739

■ 0.0000, 0.0000,
0.3427

■ 41.7280, 33.9846,
89.9483

■ 41.7280, 33.9846,
89.9483

■ 34.8556, 25.6302,
88.6986

■ 49.9650, 44.2231,
91.4910

■ 29.2671, 19.0386,
87.7208

■ 59.6331, 56.4490,
93.3413

■ 24.8791, 14.0805,
86.9951

■ 70.7992, 70.7623,
95.5155

■ 21.5959, 10.6062,
86.4975

■ 83.5247, 87.2555,
98.0283

■ 19.3052, 8.4373,
86.1996

■ 93.3292, 99.3117,
99.8386

■ 18.0404, 7.4138,
86.0687

Harmonies

Analogous

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



33.1076, 33.9846, 103.6816



41.7280, 33.9846, 89.9483



48.6256, 33.9846, 61.8906

Triad

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



41.7280, 33.9846, 89.9483



40.1067, 33.9846, 9.4657



18.8787, 33.9846, 39.3410

Complementary

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



41.7280, 33.9846, 89.9483



66.7488, 81.8705, 37.8768

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.



20.1128, 33.9846, 19.8824



41.7280, 33.9846, 89.9483



31.5083, 33.9846, 7.6080

Square

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



41.7280, 33.9846, 89.9483



47.5829, 33.9846, 17.3745



24.4134, 33.9846, 10.4189



20.7015, 33.9846, 67.6493

Rectangle

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



41.7280, 33.9846, 89.9483



50.7925, 33.9846, 42.9394



24.4134, 33.9846, 10.4189



18.9505, 33.9846, 31.6414

Sweetspot

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



41.7293, 33.9859, 89.9491



76.6525, 76.1481, 105.2658



53.1311, 63.5748, 95.0594



15.8010, 15.5198, 22.4128



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.



41.7293, 33.9859, 89.9491



39.7068, 29.7469, 98.2567



54.5589, 40.5998, 90.5495



15.9461, 16.1149, 20.8126



9.9091, 4.0827, 46.8038



0.9584, 0.4039, 4.1177

Inverse Universe

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



59.9001, 43.7473, 72.9971



62.4845, 42.0044, 76.0474



53.6392, 75.1123, 37.2633



17.0371, 16.6977, 19.9419



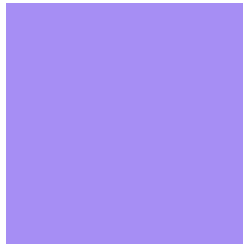
25.1948, 12.4214, 26.7979



2.2537, 1.1074, 2.5624

Previews

White Background



This preview shows how the XYZ color 41.7280, 33.9846, 89.9483 looks on a white background.

Color Contrast Check

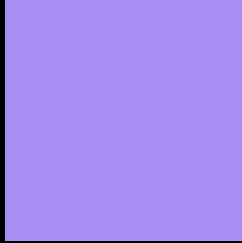
Large Text (above 18pt) WCAG AA × Fail

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 41.7280, 33.9846, 89.9483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

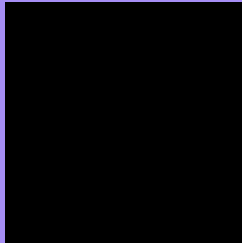
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.7280, 33.9846, 89.9483

Background



This preview shows how black text looks on a background with the XYZ color 41.7280, 33.9846, 89.9483.

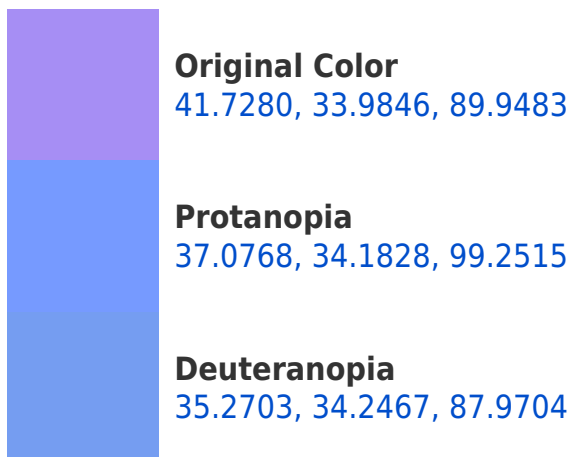


This preview shows how white text looks on a background with the XYZ color 41.7280, 33.9846,

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





Tritanopia

32.3400, 33.9733, 43.3811

Trichromacy



Original Color

41.7280, 33.9846, 89.9483

Protanomaly

38.3106, 33.9286, 95.7965

Deuteranomaly

37.2469, 34.0182, 88.6074

Tritanomaly

35.1316, 33.6016, 58.0602

Monochromacy



Original Color

41.7280, 33.9846, 89.9483

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

36.0638, 34.6593, 54.0794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7280, 33.9846, 89.9483 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(166, 142, 244)` looks like.

```
.text, #text, p{  
    color:rgb(166, 142, 244)  
}
```

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(166, 142, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 142, 244) }
```

Border

The CSS property to change the border of an element to XYZ 41.7280, 33.9846, 89.9483 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(166, 142, 244) }
```


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

```
.border{ border-color:rgb(166, 142, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 142, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 142, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 142, 244);  
box-shadow:4px 4px 4px 4px rgb(166, 142,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7280, 33.9846, 89.9483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 142, 244) }
```

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

```
.background{ background-color: rgb(166,  
142, 244) }
```

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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