

# Converting Colors

XYZ(41.4678, 33.9541, 85.2571)

Have a look what the booklet for  
XYZ(41.4678, 33.9541, 85.2571)  
contains.

<b>XYZ(41.4678, 33.9541, 85.2571)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(41.4678, 33.9541,  
85.2571)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A98EEE
RGB	169, 142, 238
RGB Percent	66%, 56%, 93%
CMY	0.3372, 0.4431, 0.0667
CMYK	0.29, 0.40, 0.00, 0.07
HSL	257°, 74%, 75%
HSV	257°, 40%, 93%
XYZ	41.4678, 33.9541, 85.2571
YIQ	161.0170, -14.7240, 35.5800

# Conversions

## Conversions Part 2

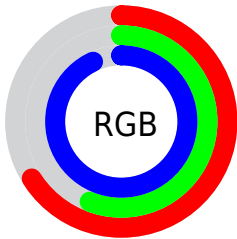
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">169, 142, 238</a>
Decimal	<a href="#">11112174</a>
CIELab	<a href="#">64.93, 30.40, -44.81</a>
CIELCh	<a href="#">65, 54.153, 304.155</a>
Yxy	<a href="#">33.9541, 0.2581, 0.2113</a>
Android (android.graphics.Color)	<a href="#">4289302254 (0xFFA98EEE)</a>
YUV	<a href="#">161.0170, 37.9526, 7.0011</a>
Hunter-Lab	<a href="#">58.2701, 25.0563, -45.9602</a>

# Details

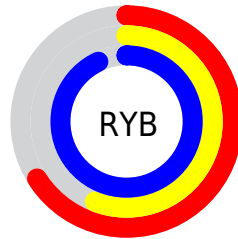
The XYZ color **41.4678, 33.9541, 85.2571** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **62.3217, 76.9516, 37.1609**, and the grayscale version is **33.7195, 35.4755, 38.6328**.

A 20% lighter version of the original color is **69.1540, 62.8686, 103.0978**, and **19.1240, 14.4370, 46.0346** is the 20% darker color. If you saturate the color by 10%, you get **34.8647, 25.8433, 84.0402**, and if you desaturate by 10%, it is **49.3095, 43.8269, 86.7500**.

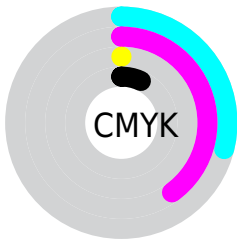
# Distribution



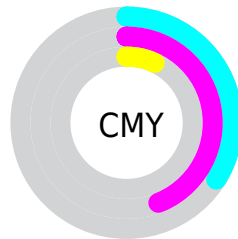
- Red (66%)
- Green (56%)
- Blue (93%)



- Red (66%)
- Yellow (56%)
- Blue (93%)



- Cyan (29%)
- Magenta (40%)
- Yellow (0%)
- Black (7%)



- Cyan (34%)
- Magenta (44%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4678, 33.9541, 85.2571 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 41.4678, 33.9541, 85.2571 by changing the saturation by 10% instead.



41.4678, 33.9541,  
85.2571

41.4678, 33.9541,  
85.2571

343.3013,  
319.9273, 532.6452

28.8741, 22.8583,  
63.5025

76.6638, 65.8623,  
142.6097

19.1294, 14.4889,  
45.8042

99.9967, 87.4435,  
179.0447

11.8684, 8.4615,  
31.7438

127.6401,  
113.2887, 221.2103

6.7257, 4.3917,  
20.9027

159.9593,  
143.7821, 269.5249

3.3359, 1.8950,  
12.8623

197.3197,  
179.3084, 324.4072

1.3338, 0.5454,  
7.2042

240.0865,

0.2083, 0.0000,

220.2517, 386.2756

3.5098

288.6253,  
266.9966, 455.5488

■ 0.0000, 0.0000,  
1.3604

■ 0.0000, 0.0000,  
0.1106

■ 41.4678, 33.9541,  
85.2571

■ 41.4678, 33.9541,  
85.2571

■ 34.8647, 25.8433,  
84.0402

■ 49.3095, 43.8269,  
86.7500

■ 29.4294, 19.3839,  
83.0799

■ 58.4477, 55.5552,  
88.5322

■ 25.0892, 14.4587,  
82.3580

■ 68.9412, 69.2307,  
90.6188

■ 21.7611, 10.9328,  
81.8528

■ 80.8439, 84.9376,  
93.0232

■ 19.3483, 8.6466,  
81.5387

■ 92.2615, 98.8648,  
95.1096

■ 17.7433, 7.3642,  
81.3758

■ 92.4327, 98.9531,  
95.1176

# Harmonies

## Analogous

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



33.3737, 33.9541, 98.6664



41.4678, 33.9541, 85.2571



47.7773, 33.9541, 59.0896

# Triad

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



41.4678, 33.9541, 85.2571



39.2781, 33.9541, 10.1861



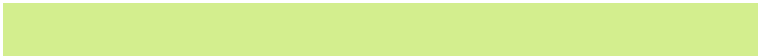
19.4828, 33.9541, 40.1777

# Complementary

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



41.4678, 33.9541, 85.2571



62.3217, 76.9516, 37.1609

# 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.



20.5473, 33.9541, 21.2008



41.4678, 33.9541, 85.2571



31.1955, 33.9541, 8.5121

# Square

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



41.4678, 33.9541, 85.2571



46.3767, 33.9541, 17.6864



24.5479, 33.9541, 11.5646



21.3638, 33.9541, 66.7863



# Rectangle

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



41.4678, 33.9541, 85.2571



49.6527, 33.9541, 41.5295



24.5479, 33.9541, 11.5646



19.5104, 33.9541, 32.7575

# Sweetspot

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



41.4691, 33.9554, 85.2579



78.4197, 78.0713, 105.5438



50.2326, 59.2121, 89.6710



16.4286, 16.2444, 22.5195



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.



41.4691, 33.9554, 85.2579



42.3246, 32.1040, 98.5737



53.3075, 40.0583, 85.8119



15.3147, 15.4439, 19.8954



10.0075, 4.1644, 45.4042



0.9262, 0.3947, 3.7816



# Inverse Universe

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



56.6916, 42.2274, 66.7913



62.5673, 43.1235, 73.1356



50.8506, 71.0380, 36.6241



16.2536, 15.9512, 18.8917



23.8337, 11.8059, 22.8386

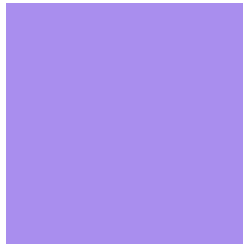


2.0250, 0.9990, 2.1224



# Previews

## White Background



This preview shows how the XYZ color 41.4678, 33.9541, 85.2571 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

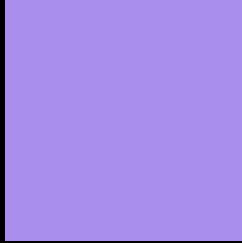
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.4678, 33.9541, 85.2571 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

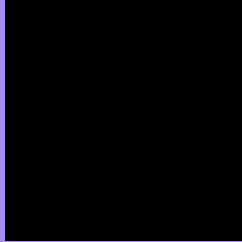
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 41.4678, 33.9541, 85.2571**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.4678, 33.9541, 85.2571.



This preview shows how white text looks on a background with the XYZ color 41.4678, 33.9541,



# 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

41.4678, 33.9541, 85.2571

### Protanopia

36.6805, 34.0883, 94.2690

### Deuteranopia

35.2207, 34.3231, 83.3659



## Tritanopia

32.9287, 34.0464, 42.3722

# Trichromacy



## Original Color

41.4678, 33.9541, 85.2571

## Protanomaly

38.0352, 33.8942, 90.9238

## Deuteranomaly

37.1838, 34.0881, 83.9767

## Tritanomaly

35.6638, 33.9286, 55.7081

# Monochromacy



## Original Color

41.4678, 33.9541, 85.2571

## Achromatopsia

33.8758, 35.6400, 38.8120

## Achromatomaly

36.0508, 34.6778, 52.9375

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.4678, 33.9541, 85.2571 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(169, 142, 238)` looks like.

```
.text, #text, p{  
    color:rgb(169, 142, 238)  
}
```

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(169, 142, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 142, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 41.4678, 33.9541, 85.2571 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(169, 142, 238) }
```



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

```
.border{ border-color:rgb(169, 142, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 142, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 142, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 142, 238);  
box-shadow:4px 4px 4px 4px rgb(169, 142,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.4678, 33.9541, 85.2571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 142, 238) }
```

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

```
.background{ background-color: rgb(169,  
142, 238) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor