

# Converting Colors

XYZ(42.0059, 35.6440, 86.7095)

Have a look what the booklet for  
XYZ(42.0059, 35.6440, 86.7095)  
contains.

<b>XYZ(41.8958, 35.5188, 86.3090)</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(41.8958, 35.5188,  
86.3090)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A694EF
RGB	166, 148, 239
RGB Percent	65%, 58%, 94%
CMY	0.3490, 0.4196, 0.0627
CMYK	0.31, 0.38, 0.00, 0.06
HSL	252°, 74%, 76%
HSV	252°, 38%, 94%
XYZ	41.8958, 35.5188, 86.3090
YIQ	163.7560, -18.4830, 32.1170

# Conversions

## Conversions Part 2

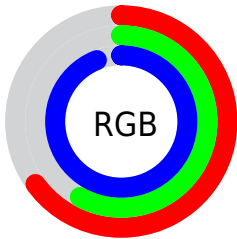
Format	Color
<a href="#">RYB</a>	<a href="#">166, 148, 239</a>
Decimal	<a href="#">10917103</a>
CIELab	<a href="#">66.15, 26.43, -43.46</a>
CIELCh	<a href="#">66, 50.860, 301.303</a>
Yxy	<a href="#">35.5188, 0.2559, 0.2169</a>
Android (android.graphics.Color)	<a href="#">4289107183 (0xFFA694EF)</a>
YUV	<a href="#">163.7560, 37.0953, 1.9680</a>
Hunter-Lab	<a href="#">59.5977, 21.1856, -44.1451</a>

# Details

The XYZ color **41.8958, 35.5188, 86.3090** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **66.0312, 79.2439, 39.8336**, and the grayscale version is **35.0075, 36.8306, 40.1085**.

A 20% lighter version of the original color is **69.6020, 65.1490, 103.5143**, and **19.3775, 15.3478, 46.7409** is the 20% darker color. If you saturate the color by 10%, you get **34.8030, 26.8606, 85.0123**, and if you desaturate by 10%, it is **50.3642, 46.0364, 87.8934**.

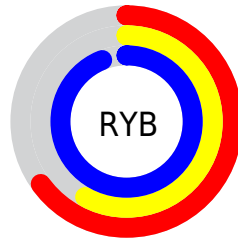
# Distribution



Red (65%)

Green (58%)

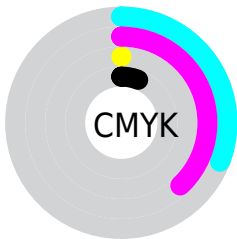
Blue (94%)



Red (65%)

Yellow (58%)

Blue (94%)

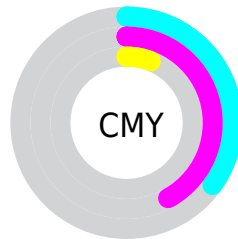


Cyan (31%)

Magenta (38%)

Yellow (0%)

Black (6%)



Cyan (35%)

Magenta (42%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8958, 35.5188, 86.3090 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 41.8958, 35.5188, 86.3090 by changing the saturation by 10% instead.



41.8958, 35.5188,  
86.3090

41.8958, 35.5188,  
86.3090

345.0498,  
326.8524, 536.2067

29.2105, 24.0628,  
64.3672

77.3081, 68.2887,  
144.0910

19.3852, 15.3802,  
46.5000

100.7657, 90.3714,  
180.7682

12.0546, 9.0867,  
32.2891

128.5448,  
116.7650, 223.1943

6.8533, 4.7977,  
21.3158

161.0107,  
147.8541, 271.7878

3.4160, 2.1291,  
13.1615

198.5288,  
184.0230, 326.9672

1.3774, 0.6809,  
7.4078

241.4645,

0.2400, 0.0000,

225.6561, 389.1512

3.6361

290.1830,  
273.1378, 458.7581

■ 0.0000, 0.0000,  
1.4279

■ 0.0000, 0.0000,  
0.1634

■ 41.8958, 35.5188,  
86.3090

■ 41.8958, 35.5188,  
86.3090

■ 34.8030, 26.8606,  
85.0123

■ 50.3642, 46.0364,  
87.8934

■ 29.0076, 19.9481,  
83.9835

■ 60.2731, 58.5098,  
89.7788

■ 24.4291, 14.6615,  
83.2044

■ 71.6876, 73.0336,  
91.9805

■ 20.9762, 10.8635,  
82.6533

■ 84.6678, 89.6950,  
94.5124

■ 18.5434, 8.3940,  
82.3048

■ 92.5801, 99.0120,  
95.8937

■ 16.9938, 7.0350,  
82.1242

■ 16.7652, 6.8430,  
82.0992

# Harmonies

## Analogous

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



34.0915, 35.5188, 97.0660



41.8958, 35.5188, 86.3090



48.1950, 35.5188, 62.3260

# Triad

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



41.8958, 35.5188, 86.3090



41.2374, 35.5188, 12.4317



21.2047, 35.5188, 39.6294

# Complementary

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



41.8958, 35.5188, 86.3090



66.0312, 79.2439, 39.8336

# 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.



22.5395, 35.5188, 21.9203



41.8958, 35.5188, 86.3090



33.4297, 35.5188, 10.1862

# Square

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



41.8958, 35.5188, 86.3090



47.7767, 35.5188, 20.8152



26.7514, 35.5188, 12.8817



22.7932, 35.5188, 64.6096



# Rectangle

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



41.8958, 35.5188, 86.3090



50.2776, 35.5188, 45.3214



26.7514, 35.5188, 12.8817



21.3249, 35.5188, 32.7105

# Sweetspot

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



41.8971, 35.5202, 86.3098



78.9462, 79.3702, 105.7668



53.9992, 64.9398, 91.3505



16.5057, 16.4890, 22.5627



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.



41.8971, 35.5202, 86.3098



41.7740, 32.8780, 98.7521



52.8015, 41.1416, 86.8201



15.1892, 15.3792, 19.8895



9.3486, 3.8248, 45.3734



0.8556, 0.3583, 3.7783



# Inverse Universe

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



59.2384, 44.7521, 73.9227



64.8221, 45.1656, 81.4939



54.3025, 73.1976, 39.2847



16.3124, 15.9747, 19.2014



24.9601, 12.2565, 28.7700

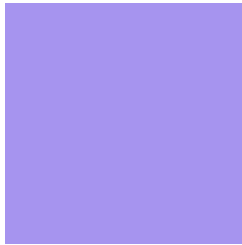


2.1102, 1.0331, 2.5711



# Previews

## White Background



This preview shows how the XYZ color 41.8958, 35.5188, 86.3090 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

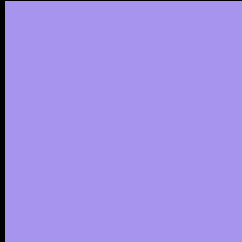
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.8958, 35.5188, 86.3090 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

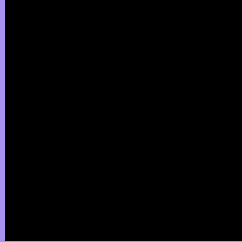
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 41.8958, 35.5188, 86.3090**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.8958, 35.5188, 86.3090.



This preview shows how white text looks on a background with the XYZ color 41.8958, 35.5188,



# 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

41.8958, 35.5188, 86.3090

### Protanopia

38.0686, 35.8362, 92.9063

### Deuteranopia

36.7590, 35.8452, 85.1022



## Tritanopia

33.6972, 35.6690, 45.1532

# Trichromacy



## Original Color

41.8958, 35.5188, 86.3090

## Protanomaly

39.0401, 35.3936, 90.3620

## Deuteranomaly

38.4764, 35.7008, 85.7519

## Tritanomaly

36.3506, 35.4603, 58.3547

# Monochromacy



## Original Color

41.8958, 35.5188, 86.3090

## Achromatopsia

35.2861, 37.1238, 40.4278

## Achromatomaly

37.1479, 36.2146, 54.3224

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.8958, 35.5188, 86.3090 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, 148, 239)` looks like.

```
.text, #text, p{  
    color:rgb(166, 148, 239)  
}
```

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, 148, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 148, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 41.8958, 35.5188, 86.3090 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, 148, 239) }
```



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

```
.border{ border-color:rgb(166, 148, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 148, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 148, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 148, 239);  
box-shadow:4px 4px 4px 4px rgb(166, 148,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.8958, 35.5188, 86.3090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 148, 239) }
```

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

```
.background{ background-color: rgb(166,  
148, 239) }
```

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