

Converting Colors

XYZ(34.8943, 33.1337, 73.6636)

Have a look what the booklet for
XYZ(34.8943, 33.1337, 73.6636)
contains.

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Color

**XYZ(34.8943, 33.1337,
73.6636)**

Conversions

Conversions Part 1

Format	Color
Hex	8A98DE
RGB	138, 152, 222
RGB Percent	54%, 60%, 87%
CMY	0.4588, 0.4039, 0.1294
CMYK	0.38, 0.32, 0.00, 0.13
HSL	230°, 56%, 71%
HSV	230°, 38%, 87%
XYZ	34.8943, 33.1337, 73.6636
YIQ	155.7940, -30.8140, 18.8020

Conversions

Conversions Part 2

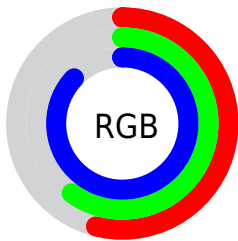
Format	Color
RYB	138, 150, 222
Decimal	9083102
CIELab	64.27, 12.03, -37.18
CIELCh	64, 39.078, 287.935
Yxy	33.1337, 0.2463, 0.2338
Android (android.graphics.Color)	4287273182 (0xFF8A98DE)
YUV	155.7940, 32.6396, -15.6053
Hunter-Lab	57.5619, 7.4743, -35.5818

Details

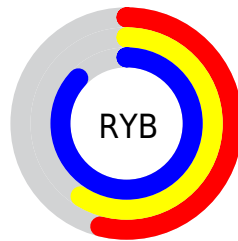
The XYZ color **34.8943, 33.1337, 73.6636** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **57.2685, 62.4774, 33.0871**, and the grayscale version is **31.3782, 33.0123, 35.9504**.

A 20% lighter version of the original color is **62.3694, 62.8319, 103.4483**, and **15.2849, 13.9822, 38.4524** is the 20% darker color. If you saturate the color by 10%, you get **28.8178, 25.8866, 72.5856**, and if you desaturate by 10%, it is **42.1921, 41.7070, 74.9344**.

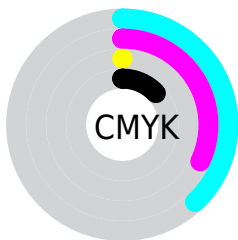
Distribution



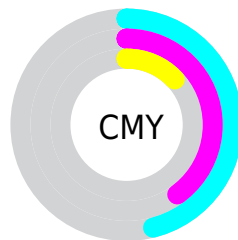
- Red (54%)
- Green (60%)
- Blue (87%)



- Red (54%)
- Yellow (59%)
- Blue (87%)



- Cyan (38%)
- Magenta (32%)
- Yellow (0%)
- Black (13%)



- Cyan (46%)
- Magenta (40%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8943, 33.1337, 73.6636 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 34.8943, 33.1337, 73.6636 by changing the saturation by 10% instead.

■ 34.8943, 33.1337,
73.6636

■ 34.8943, 33.1337,
73.6636

315.6177,
316.2518, 492.4438

■ 23.7476, 22.2289,
54.0236

■ 66.6571, 64.5842,
126.1485

■ 15.2702, 14.0252,
38.2272

■ 88.0039, 85.8987,
159.8304

■ 9.0968, 8.1382,
25.8559

■ 113.4814,
111.4519, 199.0301

■ 4.8620, 4.1835,
16.4911

143.4551,
141.6281, 244.1661

■ 2.2004, 1.7767,
9.7142

178.2902,
176.8118, 295.6570

■ 0.7430, 0.4726,
5.1068

218.3521,

■ 0.0000, 0.0000,

217.3874, 353.9212

2.2502

264.0061,
263.7393, 419.3773

■ 0.0000, 0.0000,
0.7031

■ 0.0000, 0.0000,
0.0000

■ 34.8943, 33.1337,
73.6636

■ 34.8943, 33.1337,
73.6636

■ 28.8178, 25.8866,
72.5856

■ 42.1921, 41.7070,
74.9344

■ 23.8915, 19.8948,
71.6888

■ 50.7701, 51.6649,
76.4043

■ 20.0420, 15.0866,
70.9636

■ 60.6876, 63.0668,
78.0824

■ 17.1859, 11.3811,
70.3989

■ 71.9990, 75.9676,
79.9764

■ 15.2269, 8.6868,
69.9821

■ 84.7558, 90.4194,
82.0935

■ 14.0381, 6.8910,
69.6981

■ 90.1849, 98.0540,
83.2809

■ 13.8465, 6.5971,
69.6515

Harmonies

Analogous

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



29.3144, 33.1337, 74.9752



34.8943, 33.1337, 73.6636



40.0975, 33.1337, 60.6696

Triad

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



34.8943, 33.1337, 73.6636



39.1965, 33.1337, 17.8125



22.1674, 33.1337, 30.0588

Complementary

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



34.8943, 33.1337, 73.6636



57.2685, 62.4774, 33.0871

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.



24.2162, 33.1337, 19.2312



34.8943, 33.1337, 73.6636



33.7761, 33.1337, 13.6838

Square

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



34.8943, 33.1337, 73.6636



42.7751, 33.1337, 27.4605



28.3195, 33.1337, 14.1127



22.3920, 33.1337, 46.3301

Rectangle

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



34.8943, 33.1337, 73.6636



42.4534, 33.1337, 48.8181



28.3195, 33.1337, 14.1127



22.6021, 33.1337, 25.7713

Sweetspot

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



34.8955, 33.1349, 73.6644



78.4639, 81.0450, 106.1155



47.9887, 62.2008, 69.1521



16.3917, 16.8843, 22.6450



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.



34.8955, 33.1349, 73.6644



41.3700, 37.7425, 99.7123



38.0004, 31.5593, 73.1966



13.1357, 13.6105, 17.3225



8.2789, 4.0273, 41.3894



0.6305, 0.3924, 2.8878

Inverse Universe

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



44.8812, 35.9748, 34.2853



56.9452, 42.6055, 38.1939



52.9578, 65.5477, 33.9069



13.8000, 13.7376, 14.7168



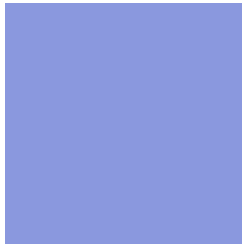
18.1190, 9.3146, 2.0264



1.2845, 0.6571, 0.2910

Previews

White Background



This preview shows how the XYZ color 34.8943, 33.1337, 73.6636 looks on a white background.

Color Contrast Check

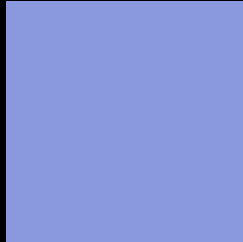
Large Text (above 18pt) WCAG AA × Fail

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 34.8943, 33.1337, 73.6636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

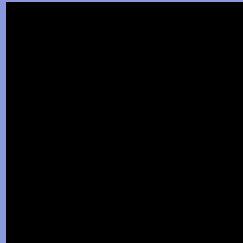
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.8943, 33.1337, 73.6636

Background



This preview shows how black text looks on a background with the XYZ color 34.8943, 33.1337, 73.6636.



This preview shows how white text looks on a background with the XYZ color 34.8943, 33.1337,

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

34.8943, 33.1337, 73.6636

Protanopia

34.3834, 33.0967, 74.3881

Deuteranopia

34.1005, 33.2104, 73.7202



Tritanopia

29.1372, 33.0578, 44.8895

Trichromacy



Original Color

34.8943, 33.1337, 73.6636

Protanomaly

34.7022, 33.2611, 74.4031

Deuteranomaly

34.4076, 33.1247, 73.6875

Tritanomaly

30.9909, 33.0406, 54.0343

Monochromacy



Original Color

34.8943, 33.1337, 73.6636

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.3540, 33.1275, 47.8690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8943, 33.1337, 73.6636 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(138, 152, 222)` looks like.

```
.text, #text, p{  
    color:rgb(138, 152, 222)  
}
```

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(138, 152, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 152, 222) }
```

Border

The CSS property to change the border of an element to XYZ 34.8943, 33.1337, 73.6636 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(138, 152, 222) }
```


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

```
.border{ border-color:rgb(138, 152, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 152, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 152, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 152, 222);  
box-shadow:4px 4px 4px 4px rgb(138, 152,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8943, 33.1337, 73.6636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 152, 222) }
```

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

```
.background{ background-color: rgb(138,  
152, 222) }
```

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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