

Converting Colors

XYZ(44.6836, 33.3748, 73.0922)

Have a look what the booklet for
XYZ(44.6836, 33.3748, 73.0922)
contains.

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Color

**XYZ(44.7206, 33.3813,
73.1934)**

Conversions

Conversions Part 1

Format	Color
Hex	C782DE
RGB	199, 130, 222
RGB Percent	78%, 51%, 87%
CMY	0.2196, 0.4902, 0.1294
CMYK	0.10, 0.41, 0.00, 0.13
HSL	285°, 58%, 69%
HSV	285°, 41%, 87%
XYZ	44.7206, 33.3813, 73.1934
YIQ	161.1190, 11.5920, 43.2400

Conversions

Conversions Part 2

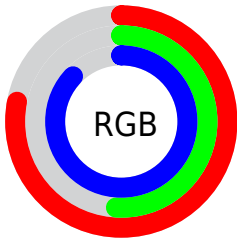
Format	Color
R_{YB}	199, 130, 222
Decimal	13075166
CIE _{Lab}	64.47, 42.04, -36.46
CIE _{LCh}	64, 55.651, 319.067
Yxy	33.3813, 0.2956, 0.2206
Android (android.graphics.Color)	4291265246 (0xFFC782DE)
YUV	161.1190, 30.0143, 33.2216
Hunter-Lab	57.7766, 37.0548, -34.6671

Details

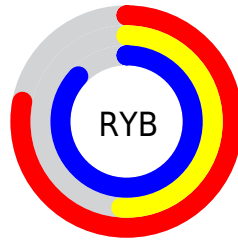
The XYZ color **44.7206, 33.3813, 73.1934** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **43.2885, 60.6273, 30.5413**, and the grayscale version is **33.7937, 35.5536, 38.7179**.

A 20% lighter version of the original color is **76.4305, 62.7610, 102.6935**, and **20.9350, 14.0416, 37.6833** is the 20% darker color. If you saturate the color by 10%, you get **40.6345, 27.3548, 72.2460**, and if you desaturate by 10%, it is **49.4997, 40.7123, 74.3571**.

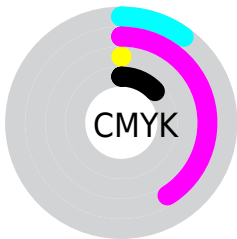
Distribution



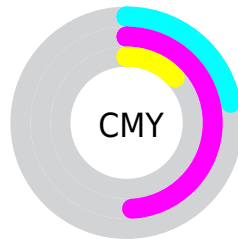
- Red (78%)
- Green (51%)
- Blue (87%)



- Red (78%)
- Yellow (51%)
- Blue (87%)



- Cyan (10%)
- Magenta (41%)
- Yellow (0%)
- Black (13%)



- Cyan (22%)
- Magenta (49%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7206, 33.3813, 73.1934 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 44.7206, 33.3813, 73.1934 by changing the saturation by 10% instead.

44.7206, 33.3813,
73.1934

44.7206, 33.3813,
73.1934

356.4436,
317.3644, 490.7736

31.4377, 22.4187,
53.6413

81.5406, 64.9704,
125.4752

21.0859, 14.1649,
37.9238

105.8085, 86.3656,
159.0420

13.2996, 8.2354,
25.6222

134.4688,
112.0073, 198.1175

7.7136, 4.2460,
16.3180

167.8868,
142.2796, 243.1201

3.9625, 1.8121,
9.5926

206.4280,
177.5671, 294.4685

1.6809, 0.4947,
5.0277

250.4576,

0.4443, 0.0000,

218.2542, 352.5812

2.2045

300.3410,
264.7251, 417.8767

■ 0.0000, 0.0000,
0.6769

■ 0.0000, 0.0000,
0.0000

■ 44.7206, 33.3813,
73.1934

■ 44.7206, 33.3813,
73.1934

■ 40.6345, 27.3548,
72.2460

■ 49.4997, 40.7123,
74.3571

■ 37.1960, 22.5454,
71.4990

■ 55.0065, 49.4191,
75.7474

■ 34.3595, 18.8619,
70.9375

■ 61.2776, 59.5730,
77.3768

■ 32.0713, 16.1978,
70.5439

■ 68.3457, 71.2389,
79.2560

■ 30.2674, 14.4261,
70.2970

■ 76.2418, 84.4778,
81.3952

■ 29.0160, 13.4352,
70.1717

■ 82.3216, 94.0003,
82.9128

■ 84.1550, 94.9454,
82.9986

■ 86.0458, 95.9202,
83.0871

■ 87.9945, 96.9248,
83.1783

Harmonies

Analogous

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



36.9829, 33.3813, 95.3374



44.7206, 33.3813, 73.1934



49.2090, 33.3813, 45.2891

Triad

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



44.7206, 33.3813, 73.1934



34.7135, 33.3813, 8.0952



19.3720, 33.3813, 52.5885

Complementary

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



44.7206, 33.3813, 73.1934



43.2885, 60.6273, 30.5413

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.



18.9713, 33.3813, 28.6662



44.7206, 33.3813, 73.1934



26.9959, 33.3813, 8.6996

Square

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



44.7206, 33.3813, 73.1934



42.8225, 33.3813, 12.3054



21.5323, 33.3813, 14.5617



22.7370, 33.3813, 80.4142

Rectangle

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



44.7206, 33.3813, 73.1934



49.3249, 33.3813, 29.8805



21.5323, 33.3813, 14.5617



18.9100, 33.3813, 43.6840

Sweetspot

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



44.7218, 33.3827, 73.1941



83.2946, 80.5844, 105.7720



33.7833, 32.8037, 73.6589



17.5754, 16.8356, 22.5732



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.



44.7218, 33.3827, 73.1941



56.1741, 38.2361, 99.0273



48.4166, 35.6197, 58.3572



13.9429, 13.7541, 17.3076



17.3414, 8.0351, 41.6853



1.2822, 0.5983, 2.8931

Inverse Universe

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



43.8576, 33.7961, 34.3501



55.1847, 39.0845, 37.6071



41.0781, 59.2891, 39.4173



13.8471, 13.7565, 14.9650



18.3476, 9.4060, 3.2301



1.3073, 0.6662, 0.4111

Previews

White Background



This preview shows how the XYZ color 44.7206, 33.3813, 73.1934 looks on a white background.

Color Contrast Check

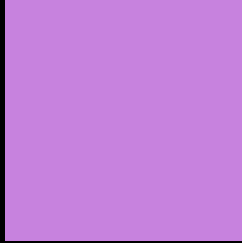
Large Text (above 18pt) WCAG AA × Fail

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 44.7206, 33.3813, 73.1934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

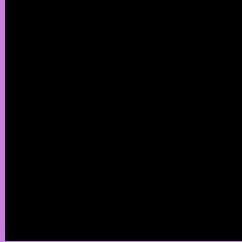
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.7206, 33.3813, 73.1934

Background



This preview shows how black text looks on a background with the XYZ color 44.7206, 33.3813, 73.1934.



This preview shows how white text looks on a background with the XYZ color 44.7206, 33.3813,

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

44.7206, 33.3813, 73.1934

Protanopia

36.0401, 33.8820, 88.6448

Deuteranopia

34.5623, 33.7708, 70.3424



Tritanopia

36.9603, 33.1656, 35.9061

Trichromacy



Original Color

44.7206, 33.3813, 73.1934



Protanomaly

38.0697, 32.9244, 82.9458



Deuteranomaly

37.5623, 33.1458, 71.4359



Tritanomaly

39.4632, 33.0980, 47.4886

Monochromacy



Original Color

44.7206, 33.3813, 73.1934



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

37.1328, 34.3456, 49.4720

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.7206, 33.3813, 73.1934 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(199, 130, 222)` looks like.

```
.text, #text, p{  
    color:rgb(199, 130, 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(199, 130, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 130, 222) }
```

Border

The CSS property to change the border of an element to XYZ 44.7206, 33.3813, 73.1934 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(199, 130, 222) }
```


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

```
.border{ border-color:rgb(199, 130, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 130, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 130, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 130, 222);  
box-shadow:4px 4px 4px 4px rgb(199, 130,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 44.7206, 33.3813, 73.1934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 130, 222) }
```

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

```
.background{ background-color: rgb(199,  
130, 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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