

Converting Colors

XYZ(50.8239, 44.7071, 82.2938)

Have a look what the booklet for
XYZ(50.8239, 44.7071, 82.2938)
contains.

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Color

**XYZ(50.9667, 44.8344,
82.3116)**

Conversions

Conversions Part 1

Format	Color
Hex	C4A6E8
RGB	196, 166, 232
RGB Percent	77%, 65%, 91%
CMY	0.2314, 0.3490, 0.0902
CMYK	0.16, 0.28, 0.00, 0.09
HSL	267°, 59%, 78%
HSV	267°, 28%, 91%
XYZ	50.9667, 44.8344, 82.3116
YIQ	182.4940, -3.3060, 26.8860

Conversions

Conversions Part 2

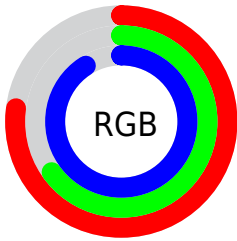
Format	Color
R_{YB}	196, 166, 232
Decimal	12887784
CIE _{Lab}	72.78, 23.53, -29.12
CIE _{LCh}	73, 37.436, 308.938
Yxy	44.8344, 0.2861, 0.2517
Android (android.graphics.Color)	4291077864 (0xFFC4A6E8)
YUV	182.4940, 24.4065, 11.8448
Hunter-Lab	66.9585, 18.6912, -26.0138

Details

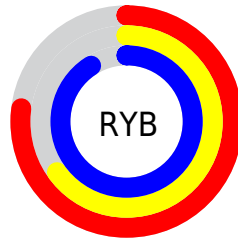
The XYZ color **50.9667, 44.8344, 82.3116** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **60.0980, 73.0240, 47.0059**, and the grayscale version is **44.6063, 46.9293, 51.1060**.

A 20% lighter version of the original color is **84.4145, 79.8155, 105.5646**, and **24.8383, 20.8319, 43.7861** is the 20% darker color. If you saturate the color by 10%, you get **43.9700, 35.5223, 80.8837**, and if you desaturate by 10%, it is **59.0047, 55.8147, 84.0081**.

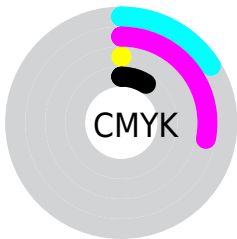
Distribution



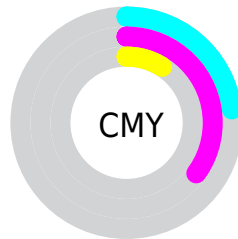
- Red (77%)
- Green (65%)
- Blue (91%)



- Red (77%)
- Yellow (65%)
- Blue (91%)



- Cyan (16%)
- Magenta (28%)
- Yellow (0%)
- Black (9%)



- Cyan (23%)
- Magenta (35%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9667, 44.8344, 82.3116 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 50.9667, 44.8344, 82.3116 by changing the saturation by 10% instead.

50.9667, 44.8344,
82.3116

50.9667, 44.8344,
82.3116

380.8242,
366.1025, 522.6002

36.4030, 31.3270,
61.0851

90.7888, 82.4719,
138.4515

24.9172, 20.8480,
43.8629

116.7780,
107.3707, 174.2020

16.1438, 13.0129,
30.2263

147.3064,
136.8355, 215.6308

9.7174, 7.4374,
19.7569

182.7394,
171.2506, 263.1566

5.2728, 3.7372,
12.0361

223.4423,
211.0005, 317.1979

2.4446, 1.5276,
6.6455

269.7805,

0.8674, 0.3081,

256.4695, 378.1733

3.1663

322.1194,
308.0420, 446.5012

■ 0.0000, 0.0000,
1.1802

■ 0.0000, 0.0000,
0.0000

■ 50.9667, 44.8344,
82.3116

■ 50.9667, 44.8344,
82.3116

■ 43.9700, 35.5223,
80.8837

■ 59.0047, 55.8147,
84.0081

■ 37.9624, 27.7876,
79.7074

■ 68.1241, 68.5367,
85.9830

■ 32.8935, 21.5389,
78.7684

■ 78.3680, 83.0763,
88.2496

■ 28.7064, 16.6728,
78.0498

■ 88.5499, 97.0516,
90.4104

■ 25.3365, 13.0723,
77.5325

■ 91.5656, 98.6063,
90.5515

■ 22.7091, 10.5995,
77.1937

■ 20.7187, 9.0564,
77.0007

■ 20.4448, 8.8571,
76.9767

Harmonies

Analogous

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



44.5865, 44.8344, 93.4349



50.9667, 44.8344, 82.3116



55.3822, 44.8344, 62.8531

Triad

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



50.9667, 44.8344, 82.3116



47.2680, 44.8344, 22.4412



31.4150, 44.8344, 54.5958

Complementary

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



50.9667, 44.8344, 82.3116



60.0980, 73.0240, 47.0059

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.



31.9762, 44.8344, 37.0436



50.9667, 44.8344, 82.3116



40.7001, 44.8344, 21.2950

Square

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



50.9667, 44.8344, 82.3116



53.1003, 44.8344, 29.5897



35.2273, 44.8344, 25.9216



33.6076, 44.8344, 74.9641

Rectangle

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



50.9667, 44.8344, 82.3116



56.3805, 44.8344, 49.4839



35.2273, 44.8344, 25.9216



31.2929, 44.8344, 48.1562

Sweetspot

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



50.9682, 44.8363, 82.3126



83.7042, 83.9240, 106.3950



51.4839, 56.3168, 84.5014



17.5466, 17.4443, 22.6922



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.



50.9682, 44.8363, 82.3126



58.0387, 48.7039, 100.9496



60.4204, 49.7091, 82.7550



14.2020, 14.2064, 18.1379



11.4912, 4.9898, 42.7406



0.9551, 0.4233, 3.1633

Inverse Universe

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



57.5770, 48.6943, 62.2430



67.6399, 54.3129, 71.6074



52.1677, 68.9358, 46.6348



14.7042, 14.4989, 16.6428



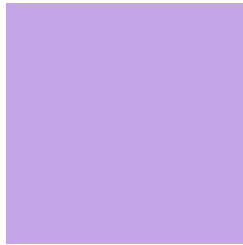
20.6497, 10.3941, 12.3164



1.5727, 0.7868, 1.1562

Previews

White Background



This preview shows how the XYZ color 50.9667, 44.8344, 82.3116 looks on a white background.

Color Contrast Check

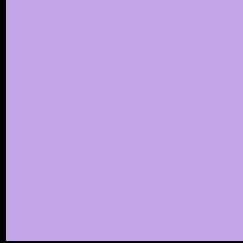
Large Text (above 18pt) WCAG AA × Fail

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 50.9667, 44.8344, 82.3116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

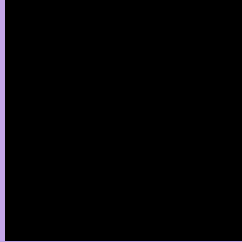
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.9667, 44.8344, 82.3116

Background



This preview shows how black text looks on a background with the XYZ color 50.9667, 44.8344, 82.3116.



This preview shows how white text looks on a background with the XYZ color 50.9667, 44.8344,

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

50.9667, 44.8344, 82.3116

Protanopia

45.9515, 44.9190, 88.6864

Deuteranopia

46.1704, 45.1989, 81.1537



Tritanopia

45.1994, 44.7218, 53.8268

Trichromacy



Original Color

50.9667, 44.8344, 82.3116

Protanomaly

47.4941, 44.6181, 86.2297

Deuteranomaly

47.7667, 44.8583, 81.7422

Tritanomaly

47.2002, 44.6919, 63.2654

Monochromacy



Original Color

50.9667, 44.8344, 82.3116

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

46.4442, 45.7856, 61.0332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9667, 44.8344, 82.3116 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(196, 166, 232)` looks like.

```
.text, #text, p{  
    color:rgb(196, 166, 232)  
}
```

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(196, 166, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 166, 232) }
```

Border

The CSS property to change the border of an element to XYZ 50.9667, 44.8344, 82.3116 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(196, 166, 232) }
```


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

```
.border{ border-color:rgb(196, 166, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 166, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 166, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 166, 232);  
box-shadow:4px 4px 4px 4px rgb(196, 166,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9667, 44.8344, 82.3116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 166, 232) }
```

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

```
.background{ background-color: rgb(196,  
166, 232) }
```

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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