

Converting Colors

XYZ(55.7725, 48.3251, 82.3922)

Have a look what the booklet for
XYZ(55.7725, 48.3251, 82.3922)
contains.

XYZ(55.8042, 48.4245, 82.7496)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(55.8042, 48.4245,
82.7496)**

Conversions

Conversions Part 1

Format	Color
Hex	D3AAE8
RGB	211, 170, 232
RGB Percent	83%, 67%, 91%
CMY	0.1725, 0.3333, 0.0902
CMYK	0.09, 0.27, 0.00, 0.09
HSL	280°, 57%, 79%
HSV	280°, 27%, 91%
XYZ	55.8042, 48.4245, 82.7496
YIQ	189.3270, 4.5340, 27.9740

Conversions

Conversions Part 2

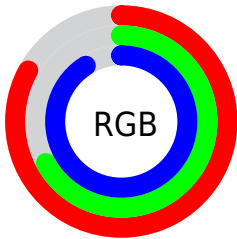
Format	Color
R_{YB}	211, 170, 232
Decimal	13871848
CIE _{Lab}	75.09, 26.04, -25.46
CIE _{LCh}	75, 36.418, 315.645
Yxy	48.4245, 0.2985, 0.2590
Android (android.graphics.Color)	4292061928 (0xFFD3AAE8)
YUV	189.3270, 21.0378, 19.0072
Hunter-Lab	69.5877, 21.3653, -21.7928

Details

The XYZ color **55.8042, 48.4245, 82.7496** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **57.5997, 71.6930, 48.8347**, and the grayscale version is **48.4397, 50.9624, 55.4980**.

A 20% lighter version of the original color is **86.4864, 82.8727, 106.0455**, and **27.9081, 22.9251, 44.0284** is the 20% darker color. If you saturate the color by 10%, you get **49.6368, 39.3496, 81.3238**, and if you desaturate by 10%, it is **62.8522, 59.0951, 84.4385**.

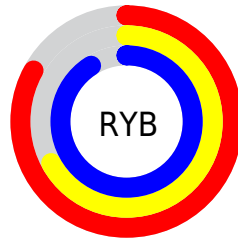
Distribution



Red (83%)

Green (67%)

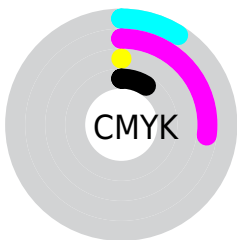
Blue (91%)



Red (83%)

Yellow (67%)

Blue (91%)

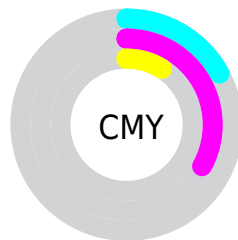


Cyan (9%)

Magenta (27%)

Yellow (0%)

Black (9%)



Cyan (17%)

Magenta (33%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.8042, 48.4245, 82.7496 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 55.8042, 48.4245, 82.7496 by changing the saturation by 10% instead.

■ 55.8042, 48.4245,
82.7496

■ 55.8042, 48.4245,
82.7496

399.0402,
380.4723, 524.1007

■ 40.2823, 34.1632,
61.4442

■ 97.8597, 87.8361,
139.0708

■ 27.9439, 23.0190,
44.1509

125.1241,
113.7552, 174.9237

■ 18.4236, 14.6075,
30.4511

157.0333,
144.3290, 216.4628

■ 11.3561, 8.5444,
19.9263

193.9528,
179.9418, 264.1067

■ 6.3759, 4.4452,
12.1579

236.2479,
220.9782, 318.2739

■ 3.1178, 1.9256,
6.7275

284.2839,

■ 1.2164, 0.5637,

267.8225, 379.3829

3.2164

338.4262,
320.8590, 447.8524

■ 0.1192, 0.0000,
1.2062

■ 0.0000, 0.0000,
0.0000

■ 55.8042, 48.4245,
82.7496

■ 55.8042, 48.4245,
82.7496

■ 49.6368, 39.3496,
81.3238

■ 62.8522, 59.0951,
84.4385

■ 44.3034, 31.7828,
80.1443

■ 70.8151, 71.4307,
86.3998

■ 39.7600, 25.6371,
79.1976

■ 79.7308, 85.5041,
88.6464

■ 35.9561, 20.8143,
78.4672

■ 87.0929, 96.3005,
90.3423

■ 32.8350, 17.2030,
77.9346

■ 89.8550, 97.7244,
90.4715

■ 30.3301, 14.6729,
77.5783

■ 91.5656, 98.6063,
90.5516

■ 28.3575, 13.0587,
77.3707

■ 27.7819, 12.6395,
77.3201

Harmonies

Analogous

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



49.5670, 48.4245, 96.5194



55.8042, 48.4245, 82.7496



59.5816, 48.4245, 62.3525

Triad

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



55.8042, 48.4245, 82.7496



49.2749, 48.4245, 24.5771



34.7621, 48.4245, 63.2489

Complementary

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



55.8042, 48.4245, 82.7496



57.5997, 71.6930, 48.8347

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.



34.7002, 48.4245, 44.1452



55.8042, 48.4245, 82.7496



42.6579, 48.4245, 24.7059

Square

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



55.8042, 48.4245, 82.7496



55.5726, 48.4245, 30.6079



37.4625, 48.4245, 31.0161



37.6406, 48.4245, 83.5409

Rectangle

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



55.8042, 48.4245, 82.7496



59.9837, 48.4245, 49.1998



37.4625, 48.4245, 31.0161



34.4212, 48.4245, 56.4169

Sweetspot

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



55.8057, 48.4266, 82.7507



86.3874, 86.3808, 106.7278



49.9287, 51.9419, 83.7389



18.1601, 17.9743, 22.7622



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.



55.8057, 48.4266, 82.7507



64.8630, 53.6505, 101.5447



60.9337, 51.2187, 76.2759



14.4961, 14.3580, 18.1517



15.5628, 7.0888, 42.9312



1.2482, 0.5745, 3.1771

Inverse Universe

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



57.0589, 49.6688, 55.8719



66.8076, 55.5197, 62.4775



53.6029, 69.5273, 53.4041



14.5774, 14.4482, 15.9750



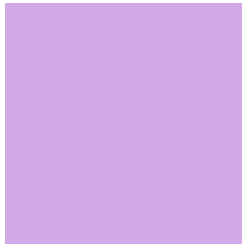
19.3029, 9.8554, 5.2239



1.4686, 0.7451, 0.6081

Previews

White Background



This preview shows how the XYZ color 55.8042, 48.4245, 82.7496 looks on a white background.

Color Contrast Check

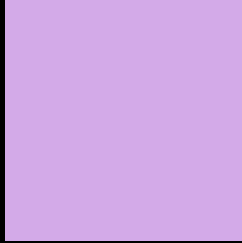
Large Text (above 18pt) WCAG AA × Fail

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 55.8042, 48.4245, 82.7496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

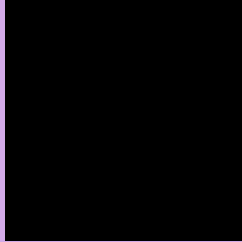
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.8042, 48.4245, 82.7496

Background



This preview shows how black text looks on a background with the XYZ color 55.8042, 48.4245, 82.7496.



This preview shows how white text looks on a background with the XYZ color 55.8042, 48.4245,

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

55.8042, 48.4245, 82.7496

Protanopia

49.1729, 48.6529, 90.0183

Deuteranopia

49.6292, 48.4642, 81.6017



Tritanopia

50.6117, 48.6257, 56.5873

Trichromacy



Original Color

55.8042, 48.4245, 82.7496

Protanomaly

51.1202, 48.2042, 87.4989

Deuteranomaly

51.6318, 48.2902, 82.2010

Tritanomaly

52.3246, 48.4303, 65.6217

Monochromacy



Original Color

55.8042, 48.4245, 82.7496

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

50.7734, 49.7340, 64.6812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.8042, 48.4245, 82.7496 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(211, 170, 232)` looks like.

```
.text, #text, p{  
    color:rgb(211, 170, 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(211, 170, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 170, 232) }
```

Border

The CSS property to change the border of an element to XYZ 55.8042, 48.4245, 82.7496 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(211, 170, 232) }
```


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

```
.border{ border-color:rgb(211, 170, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 170, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 170, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 170, 232);  
box-shadow:4px 4px 4px 4px rgb(211, 170,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8042, 48.4245, 82.7496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 170, 232) }
```

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

```
.background{ background-color: rgb(211,  
170, 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](#).

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