

Converting Colors

XYZ(64.3938, 64.3430, 82.4243)

Have a look what the booklet for
XYZ(64.3938, 64.3430, 82.4243)
contains.

XYZ(64.3938, 64.3430, 82.4243)	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(64.3938, 64.3430,
82.4243)**

Conversions

Conversions Part 1

Format	Color
Hex	D8CEE4
RGB	216, 206, 228
RGB Percent	85%, 81%, 89%
CMY	0.1529, 0.1921, 0.1059
CMYK	0.05, 0.10, 0.00, 0.11
HSL	267°, 29%, 85%
HSV	267°, 10%, 89%
XYZ	64.3938, 64.3430, 82.4243
YIQ	211.4980, -1.1020, 8.9620

Conversions

Conversions Part 2

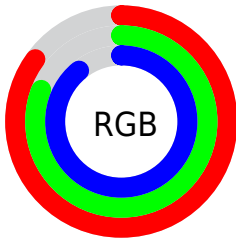
Format	Color
R _{YB}	216, 206, 228
Decimal	14208740
CIE Lab	84.14, 7.49, -9.61
CIE LCh	84, 12.185, 307.911
Yxy	64.3430, 0.3050, 0.3047
Android (android.graphics.Color)	4292398820 (0xFFD8CEE4)
YUV	211.4980, 8.1355, 3.9483
Hunter-Lab	80.2141, 2.9205, -4.7738

Details

The XYZ color **64.3938, 64.3430, 82.4243** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.7998, 74.8502, 69.2698**, and the grayscale version is **62.1962, 65.4353, 71.2590**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.4690, 33.0507, 44.1506** is the 20% darker color. If you saturate the color by 10%, you get **55.7619, 52.3289, 80.5613**, and if you desaturate by 10%, it is **74.1039, 78.0984, 84.5686**.

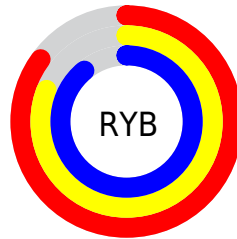
Distribution



Red (85%)

Green (81%)

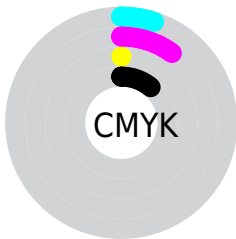
Blue (89%)



Red (85%)

Yellow (81%)

Blue (89%)

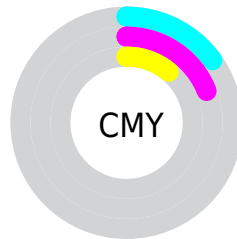


Cyan (5%)

Magenta (10%)

Yellow (0%)

Black (11%)



Cyan (15%)

Magenta (19%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.3938, 64.3430, 82.4243 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 64.3938, 64.3430, 82.4243 by changing the saturation by 10% instead.

64.3938, 64.3430,
82.4243

64.3938, 64.3430,
82.4243

430.1901,
440.4272, 522.9865

47.2326, 46.9285,
61.1775

110.2484,
111.1048, 138.6109

33.4283, 32.9792,
43.9369

139.6726,
141.2209, 174.3877

22.6155, 22.1105,
30.2841

173.9151,
176.3396, 215.8450

14.4290, 13.9381,
19.8005

213.3412,
216.8454, 263.4012

8.5033, 8.0776,
12.0674

258.3165,
263.1227, 317.4749

4.4732, 4.1447,
6.6665

309.2061,

1.9732, 1.7548,

315.5558, 378.4847

3.1792

366.3755,
374.5292, 446.8490

■ 0.6188, 0.4588,
1.1868

■ 0.0000, 0.0000,
0.0000

■ 64.3938, 64.3430,
82.4243

■ 64.3938, 64.3430,
82.4243

■ 55.7619, 52.3289,
80.5613

■ 74.1039, 78.0984,
84.5686

■ 48.1623, 41.9763,
78.9636

■ 84.9244, 93.6540,
87.0008

■ 41.5538, 33.2117,
77.6201

■ 90.3870, 98.0636,
87.5640

■ 35.8904, 25.9524,
76.5174

■ 91.0038, 98.3815,
87.5929

■ 31.1217, 20.1080,
75.6407

■ 27.1925, 15.5784,
74.9735

■ 24.0399, 12.2492,
74.4970

■ 21.5909, 9.9857,
74.1892

■ 19.7282, 8.5655,
74.0133

Harmonies

Analogous

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



61.8717, 64.3430, 85.8005



64.3938, 64.3430, 82.4243



66.0816, 64.3430, 75.7854

Triad

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



64.3938, 64.3430, 82.4243



63.1243, 64.3430, 57.1941



56.1685, 64.3430, 72.1200

Complementary

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



64.3938, 64.3430, 82.4243



67.7998, 74.8502, 69.2698

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.



56.4816, 64.3430, 64.6278



64.3938, 64.3430, 82.4243



60.4460, 64.3430, 56.3705

Square

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



64.3938, 64.3430, 82.4243



65.3338, 64.3430, 61.3345



58.0288, 64.3430, 58.9960



57.1604, 64.3430, 79.5731

Rectangle

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



64.3938, 64.3430, 82.4243



66.4790, 64.3430, 70.6005



58.0288, 64.3430, 58.9960



56.1252, 64.3430, 69.5194

Sweetspot

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



64.3957, 64.3457, 82.4257



91.1392, 94.4329, 108.0316



64.5569, 68.9203, 83.3002



19.2885, 19.9016, 23.0747



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.



64.3957, 64.3457, 82.4257



80.1763, 78.9769, 105.6261



67.7238, 66.0614, 82.5815



14.2019, 14.2063, 18.1379



11.4901, 4.9892, 42.7406



0.9550, 0.4233, 3.1633

Inverse Universe

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



66.7234, 65.7014, 75.4978



83.8944, 81.1430, 94.5326



64.6464, 73.2245, 69.1223



14.7043, 14.4989, 16.6430



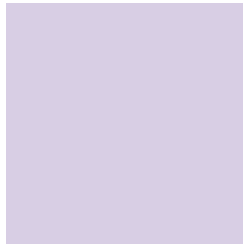
20.6504, 10.3944, 12.3196



1.5727, 0.7868, 1.1565

Previews

White Background



This preview shows how the XYZ color 64.3938, 64.3430, 82.4243 looks on a white background.

Color Contrast Check

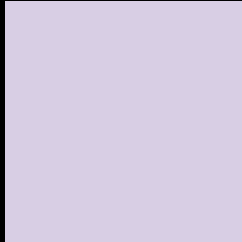
Large Text (above 18pt) WCAG AA × Fail

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 64.3938, 64.3430, 82.4243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

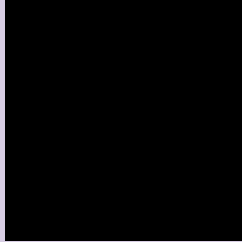
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.3938, 64.3430, 82.4243

Background



This preview shows how black text looks on a background with the XYZ color 64.3938, 64.3430, 82.4243.



This preview shows how white text looks on a background with the XYZ color 64.3938, 64.3430,

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

64.3938, 64.3430, 82.4243

Protanopia

62.8512, 64.2348, 83.9489

Deuteranopia

65.7207, 64.3168, 82.3493



Tritanopia

63.6564, 64.4004, 78.8875

Trichromacy



Original Color

64.3938, 64.3430, 82.4243

Protanomaly

63.3196, 64.1317, 83.1701

Deuteranomaly

65.3501, 64.4797, 82.4003

Tritanomaly

63.9278, 64.5090, 80.3163

Monochromacy



Original Color

64.3938, 64.3430, 82.4243

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

63.1421, 65.3013, 75.6061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3938, 64.3430, 82.4243 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(216, 206, 228) looks like.

```
.text, #text, p{  
    color:rgb(216, 206, 228)  
}
```

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(216, 206, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 206, 228) }
```

Border

The CSS property to change the border of an element to XYZ 64.3938, 64.3430, 82.4243 is called "border". The border property can be set on classes, ids or directly on the HTML element.

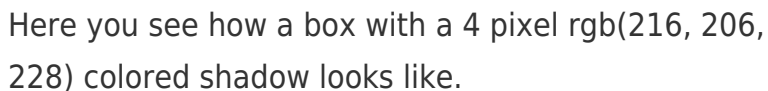
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 206, 228) }
```


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

```
.border{ border-color:rgb(216, 206, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(216, 206, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 206, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 206, 228); box-shadow:4px 4px 4px 4px rgb(216, 206, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3938, 64.3430, 82.4243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 206, 228) }
```

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

```
.background{ background-color: rgb(216,  
206, 228) }
```

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