

Converting Colors

XYZ(64.2708, 64.2365, 81.1929)

Have a look what the booklet for
XYZ(64.2708, 64.2365, 81.1929)
contains.

XYZ(64.4140, 64.3853, 80.9841)	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(64.4140, 64.3853,
80.9841)**

Conversions

Conversions Part 1

Format	Color
Hex	D9CEE2
RGB	217, 206, 226
RGB Percent	85%, 81%, 89%
CMY	0.1490, 0.1921, 0.1137
CMYK	0.04, 0.09, 0.00, 0.11
HSL	273°, 26%, 85%
HSV	273°, 9%, 89%
XYZ	64.4140, 64.3853, 80.9841
YIQ	211.5690, 0.1360, 8.5520

Conversions

Conversions Part 2

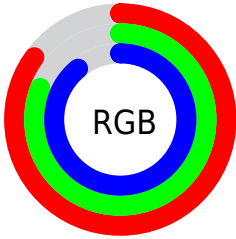
Format	Color
R_{YB}	217, 206, 226
Decimal	14274274
CIE _{Lab}	84.17, 7.44, -8.51
CIE _{LCh}	84, 11.301, 311.163
Yxy	64.3853, 0.3071, 0.3069
Android (android.graphics.Color)	4292464354 (0xFFD9CEE2)
YUV	211.5690, 7.1145, 4.7630
Hunter-Lab	80.2405, 2.8723, -3.6712

Details

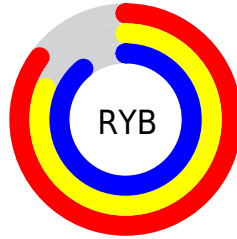
The XYZ color **64.4140, 64.3853, 80.9841** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.3637, 73.2977, 69.0459**, and the grayscale version is **62.2492, 65.4910, 71.3197**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.4792, 33.0781, 43.1482** is the 20% darker color. If you saturate the color by 10%, you get **56.4294, 52.7662, 79.1632**, and if you desaturate by 10%, it is **73.3711, 77.6705, 83.0773**.

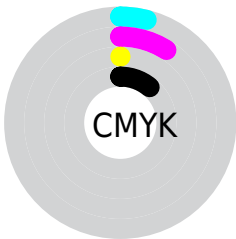
Distribution



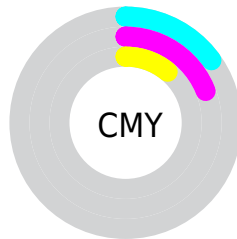
- Red (85%)
- Green (81%)
- Blue (89%)



- Red (85%)
- Yellow (81%)
- Blue (89%)



- Cyan (4%)
- Magenta (9%)
- Yellow (0%)
- Black (11%)



- Cyan (15%)
- Magenta (19%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4140, 64.3853, 80.9841 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 64.4140, 64.3853, 80.9841 by changing the saturation by 10% instead.

64.4140, 64.3853,
80.9841

64.4140, 64.3853,
80.9841

430.2617,
440.5797, 518.0371

47.2490, 46.9628,
59.9976

110.2774,
111.1656, 136.5723

33.4413, 33.0063,
42.9914

139.7064,
141.2923, 172.0111

22.6256, 22.1312,
29.5470

173.9542,
176.4225, 213.1044

14.4365, 13.9534,
19.2459

213.3861,
216.9405, 260.2707

8.5086, 8.0882,
11.6695

258.3675,
263.2309, 313.9286

4.4766, 4.1515,
6.3992

309.2636,

1.9751, 1.7586,

315.6779, 374.4966

3.0166

366.4399,
374.6661, 442.3932

■ 0.6199, 0.4612,
1.1031

■ 0.0000, 0.0000,
0.0000

■ 64.4140, 64.3853,
80.9841

■ 64.4140, 64.3853,
80.9841

■ 56.4294, 52.7662,
79.1632

■ 73.3711, 77.6705,
83.0773

■ 49.3749, 42.7368,
77.5991

■ 83.3294, 92.6777,
85.4491

■ 43.2136, 34.2269,
76.2813

■ 88.0279, 96.8793,
86.0125

■ 37.9032, 27.1577,
75.1967

■ 90.7276, 98.2711,
86.1388

■ 33.3982, 21.4430,
74.3311

■ 29.6479, 16.9871,
73.6687

■ 26.5950, 13.6816,
73.1916

■ 24.1726, 11.3982,
72.8785

■ 22.2800, 9.9419,
72.6971

Harmonies

Analogous

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



62.1313, 64.3853, 84.4917



64.4140, 64.3853, 80.9841



65.8579, 64.3853, 74.6426

Triad

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



64.4140, 64.3853, 80.9841



62.7610, 64.3853, 57.8696



56.6019, 64.3853, 72.8029

Complementary

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



64.4140, 64.3853, 80.9841



66.3637, 73.2977, 69.0459

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.



56.7601, 64.3853, 65.7544



64.4140, 64.3853, 80.9841



60.2707, 64.3853, 57.4511

Square

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



64.4140, 64.3853, 80.9841



64.8857, 64.3853, 61.4309



58.0876, 64.3853, 60.2460



57.6495, 64.3853, 79.5587

Rectangle

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



64.4140, 64.3853, 80.9841



66.1275, 64.3853, 69.8257



58.0876, 64.3853, 60.2460



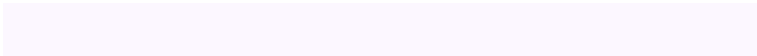
56.5166, 64.3853, 70.3844

Sweetspot

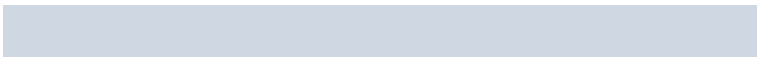
The Sweet Spot groups the original color and five complimentary colors.



64.4159, 64.3881, 80.9855



91.4025, 94.5686, 108.0439



63.5689, 67.3861, 81.6088



19.3595, 19.9383, 23.0781



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.



64.4159, 64.3881, 80.9855



82.2523, 81.0746, 105.9215



67.0733, 65.7685, 80.6333



13.6690, 13.6129, 17.2948



12.7357, 5.6608, 41.4698



0.9855, 0.4453, 2.8793

Inverse Universe

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



65.7033, 65.2206, 73.4192



84.3604, 82.4368, 93.5728



63.8741, 72.0049, 69.3530



13.9624, 13.8026, 15.5721



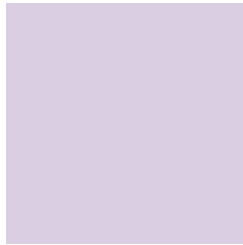
19.3114, 9.7916, 8.3057



1.3832, 0.6966, 0.8108

Previews

White Background



This preview shows how the XYZ color 64.4140, 64.3853, 80.9841 looks on a white background.

Color Contrast Check

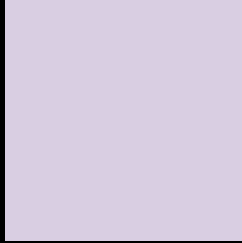
Large Text (above 18pt) WCAG AA × Fail

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 64.4140, 64.3853, 80.9841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

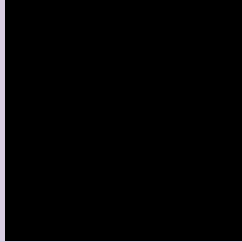
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.4140, 64.3853, 80.9841

Background



This preview shows how black text looks on a background with the XYZ color 64.4140, 64.3853, 80.9841.



This preview shows how white text looks on a background with the XYZ color 64.4140, 64.3853,

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

64.4140, 64.3853, 80.9841

Protanopia

63.0986, 64.7577, 82.5726

Deuteranopia

65.7518, 64.3647, 80.9096



Tritanopia

64.2474, 64.7051, 78.9152

Trichromacy



Original Color

64.4140, 64.3853, 80.9841

Protanomaly

63.5724, 64.6549, 81.8021

Deuteranomaly

65.3776, 64.5258, 80.9605

Tritanomaly

64.3826, 64.7592, 79.6275

Monochromacy



Original Color

64.4140, 64.3853, 80.9841

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

63.3025, 65.3991, 74.9325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4140, 64.3853, 80.9841 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(217, 206, 226)` looks like.

```
.text, #text, p{  
    color:rgb(217, 206, 226)  
}
```

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(217, 206, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 206, 226) }
```

Border

The CSS property to change the border of an element to XYZ 64.4140, 64.3853, 80.9841 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(217, 206, 226) }
```


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

```
.border{ border-color:rgb(217, 206, 226) }
```

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

Here you see how a box with a 4 pixel rgb(217, 206, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 206, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 206, 226);  
box-shadow:4px 4px 4px 4px rgb(217, 206,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4140, 64.3853, 80.9841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 206, 226) }
```

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

```
.background{ background-color: rgb(217,  
206, 226) }
```

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