

Converting Colors

XYZ(63.6218, 64.9699, 81.8251)

Have a look what the booklet for
XYZ(63.6218, 64.9699, 81.8251)
contains.

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Color

**XYZ(63.8170, 65.1440,
81.8836)**

Conversions

Conversions Part 1

Format	Color
Hex	D4D1E3
RGB	212, 209, 227
RGB Percent	83%, 82%, 89%
CMY	0.1686, 0.1804, 0.1098
CMYK	0.07, 0.08, 0.00, 0.11
HSL	250°, 24%, 85%
HSV	250°, 8%, 89%
XYZ	63.8170, 65.1440, 81.8836
YIQ	211.9490, -3.9900, 6.2340

Conversions

Conversions Part 2

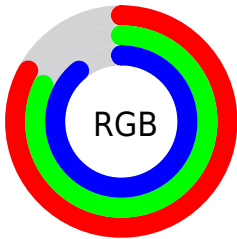
Format	Color
R _Y B	212, 209, 227
Decimal	13947363
CIE Lab	84.56, 4.39, -8.50
CIE LCh	85, 9.566, 297.303
Yxy	65.1440, 0.3027, 0.3090
Android (android.graphics.Color)	4292137443 (0xFFD4D1E3)
YUV	211.9490, 7.4201, 0.0447
Hunter-Lab	80.7118, -0.1098, -3.6525

Details

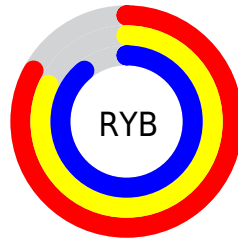
The XYZ color **63.8170, 65.1440, 81.8836** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.7205, 75.3906, 71.2019**, and the grayscale version is **62.5012, 65.7561, 71.6084**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.0724, 33.5893, 43.7700** is the 20% darker color. If you saturate the color by 10%, you get **53.5018, 52.1407, 79.9184**, and if you desaturate by 10%, it is **75.5687, 80.0693, 84.1461**.

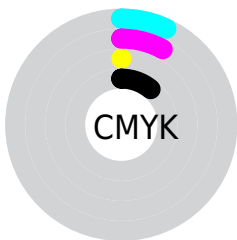
Distribution



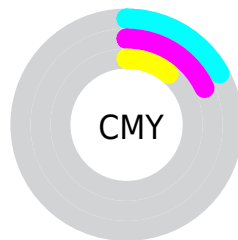
- Red (83%)
- Green (82%)
- Blue (89%)



- Red (83%)
- Yellow (82%)
- Blue (89%)



- Cyan (7%)
- Magenta (8%)
- Yellow (0%)
- Black (11%)



- Cyan (17%)
- Magenta (18%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8170, 65.1440, 81.8836 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 63.8170, 65.1440, 81.8836 by changing the saturation by 10% instead.

■ 63.8170, 65.1440,
81.8836

■ 63.8170, 65.1440,
81.8836

428.1412,
443.3093, 521.1315

■ 46.7636, 47.5779,
60.7343

109.4226,
112.2569, 137.8460

■ 33.0560, 33.4927,
43.5816

138.7054,
142.5724, 173.4962

■ 22.3288, 22.5042,
30.0070

172.7955,
177.9064, 214.8171

■ 14.2166, 14.2278,
19.5918

212.0581,
218.6435, 262.2273

■ 8.3542, 8.2793,
11.9175

256.8586,
265.1679, 316.1453

■ 4.3761, 4.2742,
6.5657

307.5624,

■ 1.9170, 1.8281,

317.8641, 376.9896

3.1177

364.5348,
377.1164, 445.1788

■ 0.5867, 0.5046,
1.1550

■ 0.0000, 0.0000,
0.0000

■ 63.8170, 65.1440,
81.8836

■ 63.8170, 65.1440,
81.8836

■ 53.5018, 52.1407,
79.9184

■ 75.5687, 80.0693,
84.1461

■ 44.5619, 40.9731,
78.2340

■ 88.8033, 96.9818,
86.7130

■ 36.9404, 31.5603,
76.8189

■ 90.8653, 98.3261,
86.8638

■ 30.5738, 23.8125,
75.6589

■ 25.3936, 17.6316,
74.7389

■ 21.3244, 12.9092,
74.0419

■ 18.2820, 9.5228,
73.5486

■ 16.1692, 7.3295,
73.2366

■ 14.8600, 6.1347,
73.0750

Harmonies

Analogous

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



61.7247, 65.1440, 83.3170



63.8170, 65.1440, 81.8836



65.4319, 65.1440, 77.4641

Triad

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



63.8170, 65.1440, 81.8836



64.1585, 65.1440, 61.5019



57.9120, 65.1440, 70.3797

Complementary

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



63.8170, 65.1440, 81.8836



69.7205, 75.3906, 71.2019

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.



58.5311, 65.1440, 64.7755



63.8170, 65.1440, 81.8836



62.1105, 65.1440, 59.8372

Square

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



63.8170, 65.1440, 81.8836



65.6322, 65.1440, 65.6803



60.0559, 65.1440, 61.0009



58.3455, 65.1440, 76.4538

Rectangle

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



63.8170, 65.1440, 81.8836



66.0035, 65.1440, 73.5428



60.0559, 65.1440, 61.0009



58.0035, 65.1440, 68.3813

Sweetspot

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



63.8189, 65.1468, 81.8850



91.8980, 95.9918, 108.2925



66.8981, 72.5759, 83.1567



19.7030, 20.5882, 23.1854



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.



63.8189, 65.1468, 81.8850



80.0565, 80.9853, 106.0200



66.3953, 66.4749, 82.0056



13.8054, 14.0019, 18.1193



8.6137, 3.5064, 42.6060



0.7039, 0.2938, 3.1516

Inverse Universe

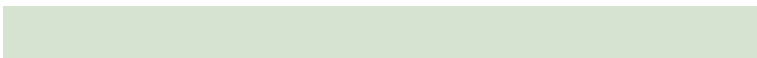
The Inverse Universe completely reimagines the original color for something new.



67.9358, 67.3165, 79.9368



86.7716, 84.5252, 102.8046



67.0923, 74.0357, 71.0789



14.8866, 14.5718, 17.6033



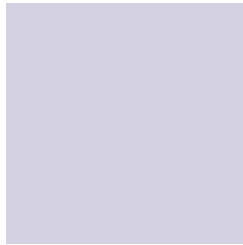
23.8817, 11.6869, 29.3358



1.7923, 0.8746, 2.3127

Previews

White Background



This preview shows how the XYZ color 63.8170, 65.1440, 81.8836 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 63.8170, 65.1440, 81.8836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

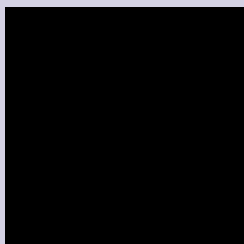
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.8170, 65.1440, 81.8836

Background



This preview shows how black text looks on a background with the XYZ color 63.8170, 65.1440, 81.8836.



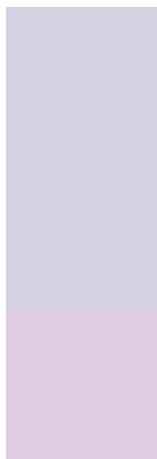
This preview shows how white text looks on a background with the XYZ color 63.8170, 65.1440,

81.8836.

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

63.8170, 65.1440, 81.8836

Protanopia

63.4901, 65.3409, 81.9388

Deuteranopia

66.5754, 65.1114, 82.4576



Tritanopia

63.6793, 65.0890, 81.1587

Trichromacy



Original Color

63.8170, 65.1440, 81.8836

Protanomaly

63.7757, 65.4881, 81.9522

Deuteranomaly

65.5901, 64.9597, 82.4803

Tritanomaly

63.6793, 65.0890, 81.1587

Monochromacy



Original Color

63.8170, 65.1440, 81.8836

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

62.9700, 65.5953, 74.9879

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8170, 65.1440, 81.8836 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(212, 209, 227) looks like.

```
.text, #text, p{  
    color:rgb(212, 209, 227)  
}
```

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(212, 209, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 209, 227) }
```

Border

The CSS property to change the border of an element to XYZ 63.8170, 65.1440, 81.8836 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(212, 209, 227) }
```


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

```
.border{ border-color:rgb(212, 209, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 209, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(212, 209, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(212, 209, 227); box-shadow:4px 4px 4px 4px rgb(212, 209, 227) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8170, 65.1440, 81.8836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 209, 227) }
```

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

```
.background{ background-color: rgb(212,  
209, 227) }
```

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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