

# Converting Colors

XYZ(63.4498, 64.8828, 81.8180)

Have a look what the booklet for  
XYZ(63.4498, 64.8828, 81.8180)  
contains.

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# Color

**XYZ(63.5296, 64.9959,  
81.8701)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3D1E3
RGB	211, 209, 227
RGB Percent	83%, 82%, 89%
CMY	0.1725, 0.1804, 0.1098
CMYK	0.07, 0.08, 0.00, 0.11
HSL	247°, 24%, 85%
HSV	247°, 8%, 89%
XYZ	63.5296, 64.9959, 81.8701
YIQ	211.6500, -4.5860, 6.0220

# Conversions

## Conversions Part 2

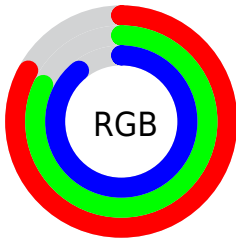
Format	Color
R <sub>YB</sub>	211, 209, 227
Decimal	13881827
CIE Lab	84.48, 4.06, -8.62
CIE LCh	84, 9.529, 295.207
Yxy	64.9959, 0.3020, 0.3089
Android (android.graphics.Color)	4292071907 (0xFFD3D1E3)
YUV	211.6500, 7.5676, -0.5700
Hunter-Lab	80.6200, -0.4248, -3.7753

# Details

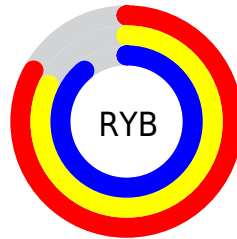
The XYZ color **63.5296, 64.9959, 81.8701** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.0314, 75.5508, 71.2165**, and the grayscale version is **62.3022, 65.5468, 71.3805**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.8780, 33.4892, 43.7609** is the 20% darker color. If you saturate the color by 10%, you get **52.9293, 51.8456, 79.8915**, and if you desaturate by 10%, it is **75.6531, 80.1129, 84.1500**.

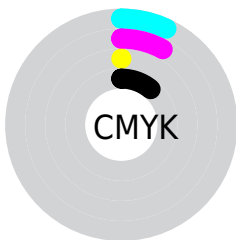
# Distribution



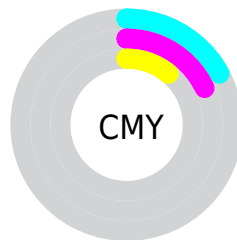
- Red (83%)
- Green (82%)
- Blue (89%)



- 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 63.5296, 64.9959, 81.8701 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 63.5296, 64.9959, 81.8701 by changing the saturation by 10% instead.



■ 63.5296, 64.9959,  
81.8701

■ 63.5296, 64.9959,  
81.8701

427.1182,  
442.7772, 521.0851

■ 46.5300, 47.4578,  
60.7233

109.0107,  
112.0440, 137.8269

■ 32.8707, 33.3977,  
43.5728

138.2230,  
142.3227, 173.4739

■ 22.1862, 22.4313,  
30.0001

172.2369,  
177.6170, 214.7914

■ 14.1111, 14.1741,  
19.5866

211.4178,  
218.3114, 262.1979

■ 8.2802, 8.2419,  
11.9138

256.1310,  
264.7902, 316.1120

■ 4.3281, 4.2501,  
6.5632

306.7419,

■ 1.8894, 1.8144,

317.4379, 376.9522

3.1162

363.6158,  
376.6387, 445.1371

■ 0.5706, 0.4961,  
1.1543

■ 0.0000, 0.0000,  
0.0000

■ 63.5296, 64.9959,  
81.8701

■ 63.5296, 64.9959,  
81.8701

■ 52.9293, 51.8456,  
79.8915

■ 75.6531, 80.1129,  
84.1500

■ 43.7863, 40.5733,  
78.1976

■ 89.3509, 97.2642,  
86.7386

■ 36.0383, 31.0953,  
76.7766

■ 90.8653, 98.3261,  
86.8637

■ 29.6163, 23.3190,  
75.6141

■ 24.4454, 17.1428,  
74.6945

■ 20.4431, 12.4549,  
74.0006

■ 17.5170, 9.1284,  
73.5127

■ 15.5600, 7.0154,  
73.2080

■ 14.4336, 5.9149,  
73.0550

# Harmonies

## Analogous

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



61.4366, 64.9959, 83.0563



63.5296, 64.9959, 81.8701



65.1862, 64.9959, 77.6445

# Triad

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



63.5296, 64.9959, 81.8701



64.1328, 64.9959, 61.6059



57.8017, 64.9959, 69.7982

# Complementary

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



63.5296, 64.9959, 81.8701



70.0314, 75.5508, 71.2165

# 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.



58.4882, 64.9959, 64.3128



63.5296, 64.9959, 81.8701



62.1180, 64.9959, 59.7585

# Square

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



63.5296, 64.9959, 81.8701



65.5399, 64.9959, 65.9115



60.0563, 64.9959, 60.7206



58.1603, 64.9959, 75.8605



# Rectangle

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



63.5296, 64.9959, 81.8701



65.8036, 64.9959, 73.7933



60.0563, 64.9959, 60.7206



57.9174, 64.9959, 67.8294

# Sweetspot

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



63.5315, 64.9987, 81.8715



91.7961, 95.9393, 108.2877



67.1410, 73.0617, 83.2376



19.6822, 20.5775, 23.1844



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.



63.5315, 64.9987, 81.8715



79.5937, 80.7467, 105.9984



66.1225, 66.3344, 81.9928



13.7306, 13.9633, 18.1158



8.3708, 3.3812, 42.5946



0.6684, 0.2755, 3.1499



# Inverse Universe

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



68.0719, 67.3710, 80.6534



86.9956, 84.6148, 103.9842



67.3578, 74.1725, 71.0914



14.9226, 14.5862, 17.7928



24.7064, 12.0168, 33.6786

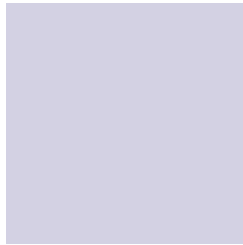


1.8455, 0.8959, 2.5928



# Previews

## White Background



This preview shows how the XYZ color 63.5296, 64.9959, 81.8701 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 63.5296, 64.9959, 81.8701 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

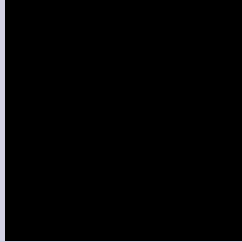
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 63.5296, 64.9959, 81.8701

## Background



This preview shows how black text looks on a background with the XYZ color 63.5296, 64.9959, 81.8701.



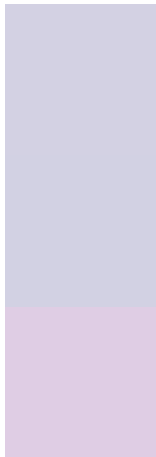
This preview shows how white text looks on a background with the XYZ color 63.5296, 64.9959,



# 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

63.5296, 64.9959, 81.8701

### Protanopia

63.2439, 64.8486, 81.8568

### Deuteranopia

66.2663, 64.9521, 82.4432



## Tritanopia

63.3919, 64.9408, 81.1452

# Trichromacy



## Original Color

63.5296, 64.9959, 81.8701

## Protanomaly

63.2439, 64.8486, 81.8568

## Deuteranomaly

65.2883, 64.8041, 82.4662

## Tritanomaly

63.3919, 64.9408, 81.1452

# Monochromacy



## Original Color

63.5296, 64.9959, 81.8701

## 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 63.5296, 64.9959, 81.8701 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, 209, 227) looks like.

```
.text, #text, p{  
    color:rgb(211, 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(211, 209, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 209, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 63.5296, 64.9959, 81.8701 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, 209, 227) }
```



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

```
.border{ border-color:rgb(211, 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(211, 209, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 209, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 209, 227);  
box-shadow:4px 4px 4px 4px rgb(211, 209,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.5296, 64.9959, 81.8701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 209, 227) }
```

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

```
.background{ background-color: rgb(211,  
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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