

Converting Colors

XYZ(61.7857, 64.4837, 83.0875)

Have a look what the booklet for
XYZ(61.7857, 64.4837, 83.0875)
contains.

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Color

**XYZ(61.8181, 64.4468,
83.3101)**

Conversions

Conversions Part 1

Format	Color
Hex	CBD2E5
RGB	203, 210, 229
RGB Percent	80%, 82%, 90%
CMY	0.2039, 0.1765, 0.1020
CMYK	0.11, 0.08, 0.00, 0.10
HSL	224°, 33%, 85%
HSV	224°, 11%, 90%
XYZ	61.8181, 64.4468, 83.3101
YIQ	210.0730, -10.2710, 4.4250

Conversions

Conversions Part 2

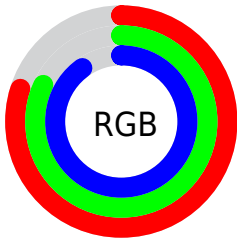
Format	Color
R _Y B	203, 209, 229
Decimal	13357797
CIE Lab	84.20, 1.32, -10.17
CIE LCh	84, 10.257, 277.394
Yxy	64.4468, 0.2950, 0.3075
Android (android.graphics.Color)	4291547877 (0xFFCBD2E5)
YUV	210.0730, 9.3310, -6.2030
Hunter-Lab	80.2788, -3.0352, -5.3337

Details

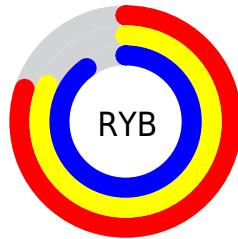
The XYZ color **61.8181, 64.4468, 83.3101** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.2144, 73.2123, 66.9847**, and the grayscale version is **61.2536, 64.4435, 70.1790**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **31.9229, 33.2225, 44.7745** is the 20% darker color. If you saturate the color by 10%, you get **52.1194, 53.6331, 81.7350**, and if you desaturate by 10%, it is **72.8737, 76.6047, 85.0751**.

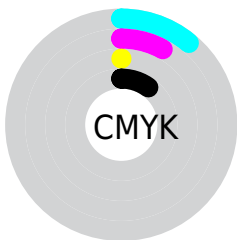
Distribution



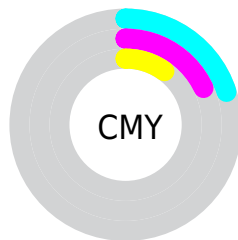
- Red (80%)
- Green (82%)
- Blue (90%)



- Red (80%)
- Yellow (82%)
- Blue (90%)



- Cyan (11%)
- Magenta (8%)
- Yellow (0%)
- Black (10%)



- Cyan (20%)
- Magenta (18%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.8181, 64.4468, 83.3101 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 61.8181, 64.4468, 83.3101 by changing the saturation by 10% instead.

■ 61.8181, 64.4468,
83.3101

■ 61.8181, 64.4468,
83.3101

420.9954,
440.8013, 526.0175

■ 45.1408, 47.0126,
61.9039

106.5540,
111.2542, 139.8628

■ 31.7701, 33.0457,
44.5198

135.3433,
141.3961, 175.8464

■ 21.3406, 22.1614,
30.7391

168.9007,
176.5429, 217.5262

■ 13.4871, 13.9756,
20.1435

207.5914,
217.0787, 265.3208

■ 7.8441, 8.1037,
12.3143

251.7809,
263.3881, 319.6487

■ 4.0463, 4.1614,
6.8330

301.8345,

■ 1.7284, 1.7642,

315.8554, 380.9284

3.2810

358.1175,
374.8650, 449.5785

■ 0.4739, 0.4647,
1.2398

■ 0.0000, 0.0000,
0.0117

■ 61.8181, 64.4468,
83.3101

■ 61.8181, 64.4468,
83.3101

■ 52.1194, 53.6331,
81.7350

■ 72.8737, 76.6047,
85.0751

■ 43.7185, 44.1083,
80.3393

■ 85.3310, 90.1433,
87.0318

■ 36.5601, 35.8251,
79.1178

■ 91.1431, 98.4372,
88.3263

■ 30.5829, 28.7301,
78.0634

■ 25.7199, 22.7658,
77.1685

■ 21.8969, 17.8694,
76.4249

■ 19.0304, 13.9715,
75.8236

■ 17.0219, 10.9927,
75.3544

■ 15.8481, 9.0674,
75.0447

Harmonies

Analogous

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



59.5925, 64.4468, 82.3537



61.8181, 64.4468, 83.3101



63.9434, 64.4468, 80.5770

Triad

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



61.8181, 64.4468, 83.3101



64.7877, 64.4468, 62.8518



57.3137, 64.4468, 65.4762

Complementary

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



61.8181, 64.4468, 83.3101



69.2144, 73.2123, 66.9847

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.



58.6425, 64.4468, 60.7030



61.8181, 64.4468, 83.3101



62.9476, 64.4468, 59.2543

Square

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



61.8181, 64.4468, 83.3101



65.6852, 64.4468, 68.5754



60.6948, 64.4468, 58.4926



57.0281, 64.4468, 71.7924

Rectangle

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



61.8181, 64.4468, 83.3101



65.0051, 64.4468, 77.1242



60.6948, 64.4468, 58.4926



57.6515, 64.4468, 63.6500

Sweetspot

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



61.8200, 64.4495, 83.3115



90.5340, 95.0632, 108.1851



65.7849, 73.9906, 79.6654



19.1255, 20.0708, 23.1160



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.



61.8200, 64.4495, 83.3115



75.3495, 78.3182, 105.7533



61.6910, 61.8724, 82.8209



13.8970, 14.5155, 18.2136



9.1462, 5.3545, 42.9346



0.7510, 0.5460, 3.1978

Inverse Universe

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



65.3035, 64.0246, 69.8919



80.7808, 77.7321, 84.8127



69.3445, 76.0979, 67.5349



14.5356, 14.4314, 15.7550



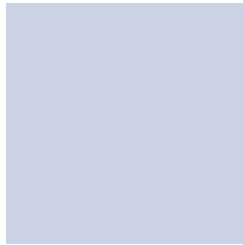
19.0101, 9.7383, 3.6821



1.4427, 0.7348, 0.4719

Previews

White Background



This preview shows how the XYZ color 61.8181, 64.4468, 83.3101 looks on a white background.

Color Contrast Check

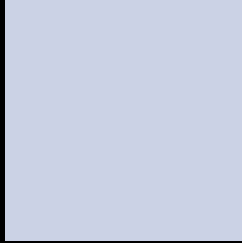
Large Text (above 18pt) WCAG AA × Fail

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 61.8181, 64.4468, 83.3101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

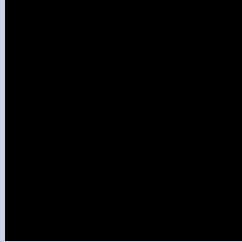
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 61.8181, 64.4468, 83.3101

Background



This preview shows how black text looks on a background with the XYZ color 61.8181, 64.4468, 83.3101.

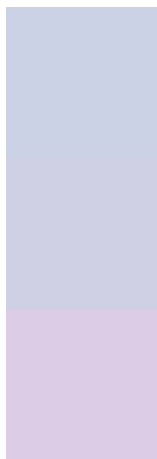


This preview shows how white text looks on a background with the XYZ color 61.8181, 64.4468,

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

61.8181, 64.4468, 83.3101

Protanopia

62.5719, 64.1231, 82.4779

Deuteranopia

65.6946, 64.2711, 83.8060



Tritanopia

61.5403, 64.3357, 81.8476

Trichromacy



Original Color

61.8181, 64.4468, 83.3101

Protanomaly

62.2577, 64.3242, 82.5333

Deuteranomaly

64.0858, 64.1519, 83.8678

Tritanomaly

61.6788, 64.3911, 82.5767

Monochromacy



Original Color

61.8181, 64.4468, 83.3101

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

61.3031, 64.3683, 74.8390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.8181, 64.4468, 83.3101 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(203, 210, 229)` looks like.

```
.text, #text, p{  
    color:rgb(203, 210, 229)  
}
```

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(203, 210, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 210, 229) }
```

Border

The CSS property to change the border of an element to XYZ 61.8181, 64.4468, 83.3101 is called "border". The border property can be set on classes, ids or directly on the HTML element.

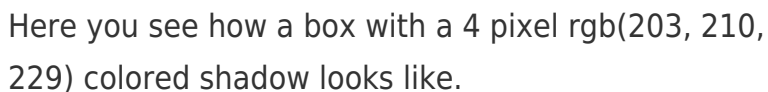
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(203, 210, 229) }
```


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

```
.border{ border-color:rgb(203, 210, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(203, 210, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 210, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 210, 229); box-shadow:4px 4px 4px 4px rgb(203, 210, 229) }
```

Background

The CSS property to change the background color of an element to XYZ 61.8181, 64.4468, 83.3101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 210, 229) }
```

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

```
.background{ background-color: rgb(203,  
210, 229) }
```

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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