

Converting Colors

XYZ(63.6805, 68.7332, 85.8301)

Have a look what the booklet for
XYZ(63.6805, 68.7332, 85.8301)
contains.

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Color

**XYZ(63.5747, 68.7119,
85.5133)**

Conversions

Conversions Part 1

Format	Color
Hex	C8DBE7
RGB	200, 219, 231
RGB Percent	78%, 86%, 91%
CMY	0.2157, 0.1412, 0.0941
CMYK	0.13, 0.05, 0.00, 0.09
HSL	203°, 39%, 85%
HSV	203°, 13%, 91%
XYZ	63.5747, 68.7119, 85.5133
YIQ	214.6870, -15.1760, -0.2960

Conversions

Conversions Part 2

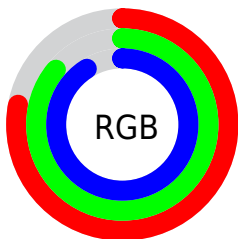
Format	Color
R _Y B	200, 212, 231
Decimal	13163495
CIE _{Lab}	86.36, -3.94, -8.04
CIE _{LCh}	86, 8.953, 243.894
Yxy	68.7119, 0.2919, 0.3155
Android (android.graphics.Color)	4291353575 (0xFFC8DBE7)
YUV	214.6870, 8.0423, -12.8805
Hunter-Lab	82.8926, -8.1611, -3.1396

Details

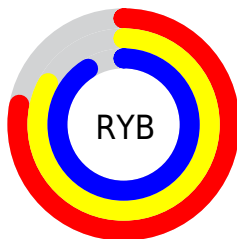
The XYZ color **63.5747, 68.7119, 85.5133** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.9242, 68.2457, 64.2902**, and the grayscale version is **64.3360, 67.6865, 73.7106**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.8674, 35.7571, 45.7269** is the 20% darker color. If you saturate the color by 10%, you get **55.5958, 61.2305, 84.4909**, and if you desaturate by 10%, it is **72.6150, 76.9301, 86.6242**.

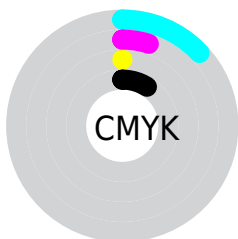
Distribution



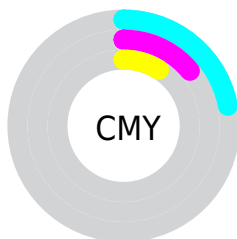
- Red (78%)
- Green (86%)
- Blue (91%)



- Red (78%)
- Yellow (83%)
- Blue (91%)



- Cyan (13%)
- Magenta (5%)
- Yellow (0%)
- Black (9%)



- Cyan (22%)
- Magenta (14%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.5747, 68.7119, 85.5133 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 63.5747, 68.7119, 85.5133 by changing the saturation by 10% instead.

■ 63.5747, 68.7119,
85.5133

■ 63.5747, 68.7119,
85.5133

427.2788,
456.0142, 533.5138

■ 46.5667, 50.4771,
63.7130

109.0754,
117.3700, 142.9706

■ 32.8997, 35.7926,
45.9736

138.2987,
148.5621, 179.4648

■ 22.2085, 24.2741,
31.8764

172.3246,
184.8421, 221.6939

■ 14.1277, 15.5371,
21.0031

211.5183,
226.5943, 270.0766

■ 8.2918, 9.1972,
12.9350

256.2452,
274.2033, 325.0314

■ 4.3356, 4.8700,
7.2536

306.8707,

■ 1.8937, 2.1712,

328.0533, 386.9769

3.5404

363.7601,
388.5288, 456.3315

■ 0.5732, 0.7042,
1.3767

■ 0.0000, 0.0000,
0.1235

■ 63.5747, 68.7119,
85.5133

■ 63.5747, 68.7119,
85.5133

■ 55.5958, 61.2305,
84.4909

■ 72.6150, 76.9301,
86.6242

■ 48.6286, 54.4520,
83.5497

■ 82.7517, 85.9003,
87.8214

■ 42.6284, 48.3520,
82.6885

■ 88.5662, 92.8340,
88.8532

■ 37.5443, 42.9014,
81.9044

■ 91.3486, 98.3988,
89.7807

■ 33.3205, 38.0682,
81.1941

■ 91.4240, 98.5496,
89.8058

■ 29.8946, 33.8172,
80.5542

■ 27.1947, 30.1079,
79.9805

■ 25.1340, 26.8922,
79.4684

■ 24.0383, 24.9982,
79.1606

Harmonies

Analogous

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



62.0637, 68.7119, 81.3467



63.5747, 68.7119, 85.5133



65.5790, 68.7119, 86.7604

Triad

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



63.5747, 68.7119, 85.5133



69.3561, 68.7119, 74.0449



63.1164, 68.7119, 65.7565

Complementary

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



63.5747, 68.7119, 85.5133



66.9242, 68.2457, 64.2902

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.



65.0390, 68.7119, 64.0207



63.5747, 68.7119, 85.5133



68.6647, 68.7119, 68.6437

Square

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



63.5747, 68.7119, 85.5133



68.9443, 68.7119, 79.9386



67.0737, 68.7119, 65.0495



61.8030, 68.7119, 69.9162

Rectangle

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



63.5747, 68.7119, 85.5133



66.9323, 68.7119, 85.7165



67.0737, 68.7119, 65.0495



63.7114, 68.7119, 64.8804

Sweetspot

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



63.5767, 68.7148, 85.5148



90.1501, 95.6238, 108.3136



64.2654, 74.1800, 73.1424



19.1039, 20.2949, 23.1604



0.0000, 0.0000, 0.0000



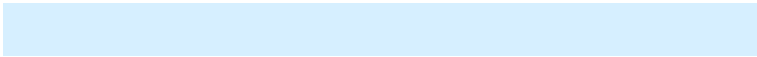
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.5767, 68.7148, 85.5148



76.7681, 83.4026, 106.6599



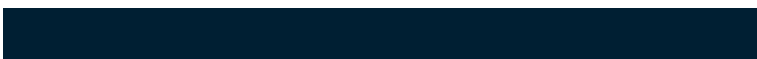
59.7463, 61.0539, 84.2380



14.3146, 15.3506, 18.3528



13.5999, 14.2618, 44.4192



1.0944, 1.2328, 3.3122

Inverse Universe

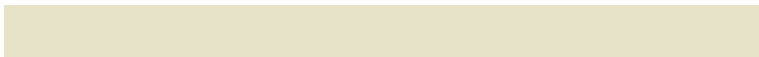
The Inverse Universe completely reimagines the original color for something new.



66.3970, 63.4134, 75.7616



80.9483, 75.6989, 92.1694



70.9555, 76.3083, 65.6340



14.7464, 14.5157, 16.8649



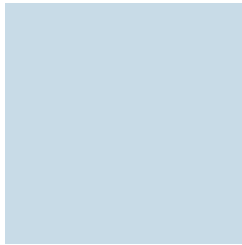
21.2581, 10.6375, 15.5199



1.6160, 0.8041, 1.3846

Previews

White Background



This preview shows how the XYZ color 63.5747, 68.7119, 85.5133 looks on a white background.

Color Contrast Check

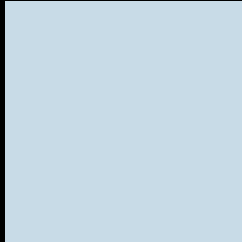
Large Text (above 18pt) WCAG AA × Fail

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 63.5747, 68.7119, 85.5133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

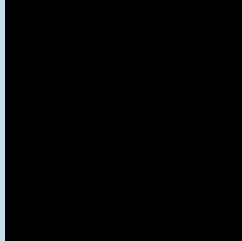
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

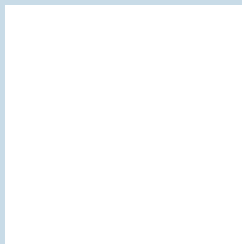
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.5747, 68.7119, 85.5133

Background



This preview shows how black text looks on a background with the XYZ color 63.5747, 68.7119, 85.5133.

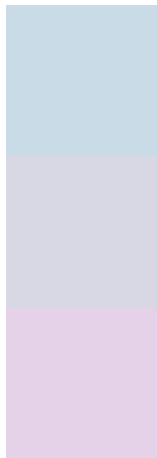


This preview shows how white text looks on a background with the XYZ color 63.5747, 68.7119,

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

63.5747, 68.7119, 85.5133

Protanopia

66.6229, 68.8012, 83.1674

Deuteranopia

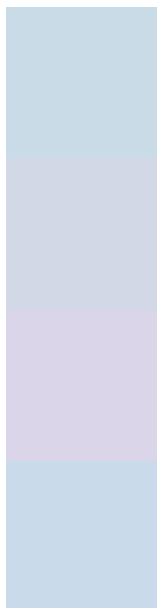
70.0677, 68.6344, 86.6456



Tritanopia

64.2991, 68.6164, 89.2123

Trichromacy



Original Color

63.5747, 68.7119, 85.5133

Protanomaly

65.2771, 68.4705, 83.9044

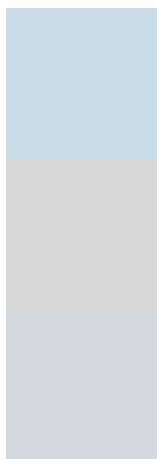
Deuteranomaly

67.2732, 68.3201, 85.9854

Tritanomaly

64.0101, 68.5008, 87.6902

Monochromacy



Original Color

63.5747, 68.7119, 85.5133

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.1854, 68.0338, 78.1555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.5747, 68.7119, 85.5133 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(200, 219, 231)` looks like.

```
.text, #text, p{  
    color:rgb(200, 219, 231)  
}
```

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(200, 219, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 219, 231) }
```

Border

The CSS property to change the border of an element to XYZ 63.5747, 68.7119, 85.5133 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(200, 219, 231) }
```


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

```
.border{ border-color:rgb(200, 219, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 219, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 219, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 219, 231);  
box-shadow:4px 4px 4px 4px rgb(200, 219,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 63.5747, 68.7119, 85.5133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 219, 231) }
```

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

```
.background{ background-color: rgb(200,  
219, 231) }
```

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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