

Converting Colors

XYZ(63.8810, 73.4401, 65.2902)

Have a look what the booklet for
XYZ(63.8810, 73.4401, 65.2902)
contains.

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Color

**XYZ(63.8982, 73.3306,
65.4300)**

Conversions

Conversions Part 1

Format	Color
Hex	CEE5C8
RGB	206, 229, 200
RGB Percent	81%, 90%, 78%
CMY	0.1922, 0.1019, 0.2157
CMYK	0.10, 0.00, 0.13, 0.10
HSL	108°, 36%, 84%
HSV	108°, 13%, 90%
XYZ	63.8982, 73.3306, 65.4300
YIQ	218.8170, -4.3990, -13.8950

Conversions

Conversions Part 2

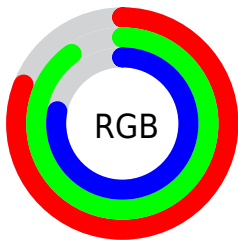
Format	Color
R _Y B	200, 229, 223
Decimal	13559240
CIE Lab	88.61, -12.87, 11.58
CIE LCh	89, 17.315, 138.021
Yxy	73.3306, 0.3153, 0.3618
Android (android.graphics.Color)	4291749320 (0xFFCEE5C8)
YUV	218.8170, -9.2768, -11.2405
Hunter-Lab	85.6333, -16.6644, 14.6415

Details

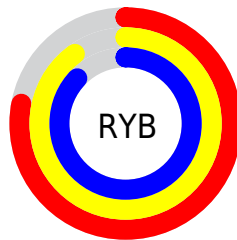
The XYZ color **63.8982, 73.3306, 65.4300** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.2316, 62.6558, 82.7884**, and the grayscale version is **67.2712, 70.7746, 77.0735**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.2733, 39.0228, 32.9726** is the 20% darker color. If you saturate the color by 10%, you get **56.6657, 69.8907, 52.1516**, and if you desaturate by 10%, it is **72.1184, 77.2376, 80.8503**.

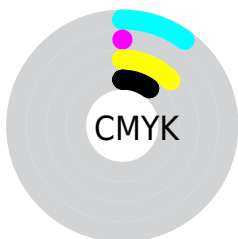
Distribution



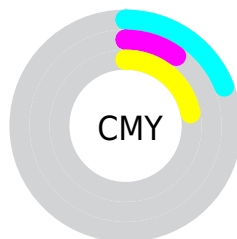
- Red (81%)
- Green (90%)
- Blue (78%)



- Red (78%)
- Yellow (90%)
- Blue (87%)



- Cyan (10%)
- Magenta (0%)
- Yellow (13%)
- Black (10%)



- Cyan (19%)
- Magenta (10%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8982, 73.3306, 65.4300 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 63.8982, 73.3306, 65.4300 by changing the saturation by 10% instead.

■ 63.8982, 73.3306,
65.4300

■ 63.8982, 73.3306,
65.4300

428.4300,
472.1598, 462.6840

■ 46.8296, 54.2463,
47.3563

109.5389,
123.9464, 114.2870

■ 33.1084, 38.7986,
32.9610

138.8416,
156.2468, 145.9074

■ 22.3691, 26.6031,
21.8257

172.9532,
193.7213, 182.8804

■ 14.2465, 17.2754,
13.5318

212.2389,
236.7543, 225.6246

■ 8.3751, 10.4310,
7.6607

257.0640,
285.7303, 274.5586

■ 4.3897, 5.6857,
3.7940

307.7940,

■ 1.9249, 2.6549,

341.0336, 330.1007

1.5130

364.7942,
403.0487, 392.6697

■ 0.5912, 0.9543,
0.2276

■ 0.0000, 0.0000,
0.0000

■ 63.8982, 73.3306,
65.4300

■ 63.8982, 73.3306,
65.4300

■ 56.6657, 69.8907,
52.1516

■ 72.1184, 77.2376,
80.8503

■ 50.3773, 66.8911,
40.9157

■ 81.3559, 81.6187,
98.4963

■ 44.9952, 64.3166,
31.6224

■ 87.3108, 84.5216,
106.3203

■ 40.4765, 62.1476,
24.1615

■ 36.7746, 60.3626,
18.4116

■ 33.8386, 58.9384,
14.2368

■ 31.6111, 57.8488,
11.4805

■ 30.0259, 57.0638,
9.9539

■ 29.2101, 56.6547,
9.3959

Harmonies

Analogous

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



67.2438, 73.3306, 59.9123



63.8982, 73.3306, 65.4300



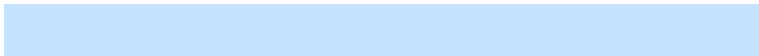
62.1352, 73.3306, 75.1662

Triad

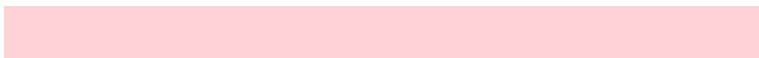
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.8982, 73.3306, 65.4300



68.0452, 73.3306, 104.5186



77.6164, 73.3306, 72.9395

Complementary

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



63.8982, 73.3306, 65.4300



65.2316, 62.6558, 82.7884

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.



77.8520, 73.3306, 84.7131



63.8982, 73.3306, 65.4300



72.2123, 73.3306, 103.7697

Square

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



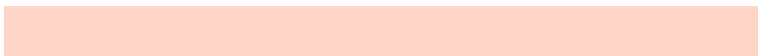
63.8982, 73.3306, 65.4300



64.4647, 73.3306, 98.1887



75.8397, 73.3306, 96.2344



75.2083, 73.3306, 63.9405

Rectangle

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



63.8982, 73.3306, 65.4300



62.0460, 73.3306, 83.0966



75.8397, 73.3306, 96.2344



77.9557, 73.3306, 76.6785

Sweetspot

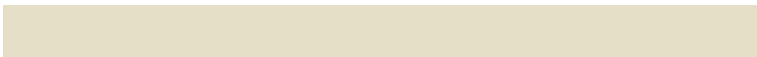
The Sweet Spot groups the original color and five complimentary colors.



63.9002, 73.3337, 65.4316



90.5369, 97.8581, 100.3429



69.0536, 73.4556, 65.1835



19.2020, 20.8618, 21.1441



0.0000, 0.0000, 0.0000



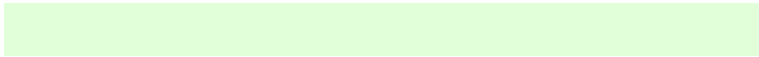
20.3446, 21.4041, 23.3091

Same Dimension

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



63.9002, 73.3337, 65.4316



79.1979, 92.4700, 79.1496



63.2529, 72.8861, 70.5508



14.4664, 16.2320, 15.2751



16.7802, 32.4320, 5.3756



1.3159, 2.4358, 0.4008

Inverse Universe

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



65.2316, 62.6558, 82.7884



81.1874, 76.5071, 105.0961



65.9924, 63.1774, 76.9747



14.6879, 14.4568, 18.1606



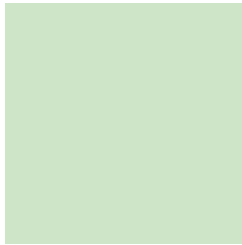
19.1693, 8.9480, 43.1000



1.4902, 0.6992, 3.1884

Previews

White Background



This preview shows how the XYZ color 63.8982, 73.3306, 65.4300 looks on a white background.

Color Contrast Check

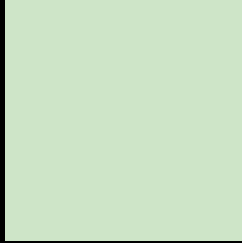
Large Text (above 18pt) WCAG AA × Fail

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 63.8982, 73.3306, 65.4300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

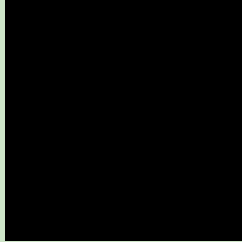
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

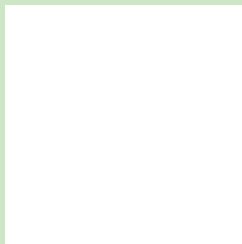
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.8982, 73.3306, 65.4300

Background



This preview shows how black text looks on a background with the XYZ color 63.8982, 73.3306, 65.4300.



This preview shows how white text looks on a background with the XYZ color 63.8982, 73.3306, 65.4300.

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



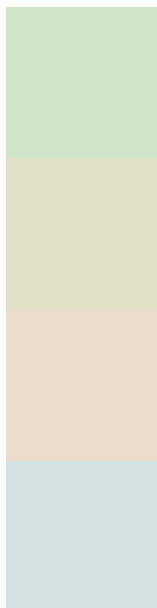
Original Color
63.8982, 73.3306, 65.4300
Protanopia
69.0990, 72.8542, 62.6449
Deuteranopia
74.6097, 72.9142, 66.6414



Tritanopia

69.4162, 73.1233, 93.6747

Trichromacy



Original Color

63.8982, 73.3306, 65.4300

Protanomaly

67.1651, 73.0305, 63.3796

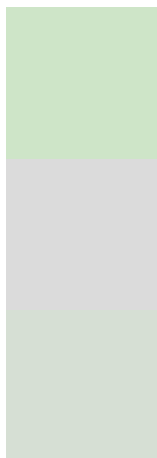
Deuteranomaly

70.2531, 72.5895, 66.1855

Tritanomaly

67.2310, 73.0431, 82.5068

Monochromacy



Original Color

63.8982, 73.3306, 65.4300

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

66.0029, 71.8250, 72.6722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8982, 73.3306, 65.4300 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(206, 229, 200)` looks like.

```
.text, #text, p{  
    color:rgb(206, 229, 200)  
}
```

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(206, 229, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 229, 200) }
```

Border

The CSS property to change the border of an element to XYZ 63.8982, 73.3306, 65.4300 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(206, 229, 200) }
```


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

```
.border{ border-color:rgb(206, 229, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 229, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 229, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 229, 200);  
box-shadow:4px 4px 4px 4px rgb(206, 229,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8982, 73.3306, 65.4300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 229, 200) }
```

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

```
.background{ background-color: rgb(206,  
229, 200) }
```

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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