

Converting Colors

XYZ(64.0241, 72.2230, 78.3829)

Have a look what the booklet for
XYZ(64.0241, 72.2230, 78.3829)
contains.

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Color

**XYZ(63.9405, 72.2476,
78.2853)**

Conversions

Conversions Part 1

Format	Color
Hex	C7E3DC
RGB	199, 227, 220
RGB Percent	78%, 89%, 86%
CMY	0.2196, 0.1098, 0.1372
CMYK	0.12, 0.00, 0.03, 0.11
HSL	165°, 33%, 84%
HSV	165°, 12%, 89%
XYZ	63.9405, 72.2476, 78.2853
YIQ	217.8300, -14.4410, -8.1130

Conversions

Conversions Part 2

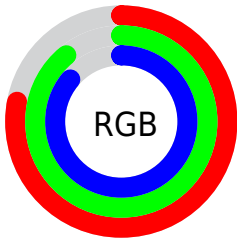
Format	Color
R _{YB}	199, 215, 227
Decimal	13099996
CIE Lab	88.09, -10.54, 0.29
CIE LCh	88, 10.548, 178.427
Yxy	72.2476, 0.2981, 0.3369
Android (android.graphics.Color)	4291290076 (0xFFC7E3DC)
YUV	217.8300, 1.0698, -16.5139
Hunter-Lab	84.9986, -14.4702, 4.8918

Details

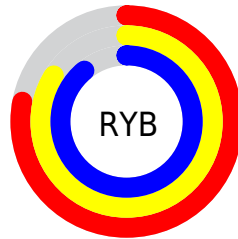
The XYZ color **63.9405, 72.2476, 78.2853** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.2451, 61.6358, 66.9592**, and the grayscale version is **66.5251, 69.9896, 76.2187**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.2211, 38.2414, 41.2277** is the 20% darker color. If you saturate the color by 10%, you get **57.6222, 69.0778, 74.1321**, and if you desaturate by 10%, it is **71.1869, 75.8969, 82.6182**.

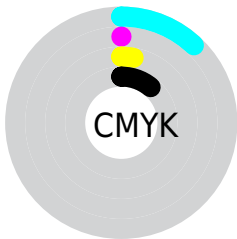
Distribution



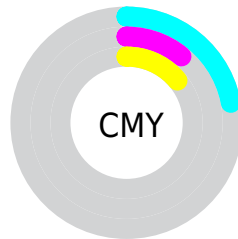
- Red (78%)
- Green (89%)
- Blue (86%)



- Red (78%)
- Yellow (84%)
- Blue (89%)



- Cyan (12%)
- Magenta (0%)
- Yellow (3%)
- Black (11%)



- Cyan (22%)
- Magenta (11%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.9405, 72.2476, 78.2853 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 63.9405, 72.2476, 78.2853 by changing the saturation by 10% instead.

63.9405, 72.2476,
78.2853

63.9405, 72.2476,
78.2853

428.5804,
468.4029, 508.6888

46.8640, 53.3610,
57.7905

109.5995,
122.4085, 132.7418

33.1356, 38.0910,
41.2267

138.9126,
154.4515, 167.5405

22.3901, 26.0533,
28.1752

173.0354,
191.6488, 207.9444

14.2620, 16.8635,
18.2176

212.3330,
234.3848, 254.3718

8.3861, 10.1372,
10.9353

257.1710,
283.0438, 307.2415

4.3968, 5.4901,
5.9097

307.9147,

1.9290, 2.5376,

338.0102, 366.9718

2.7223

364.9293,
399.6685, 433.9814

■ 0.5936, 0.8954,
0.9546

■ 0.0000, 0.0000,
0.0000

■ 63.9405, 72.2476,
78.2853

■ 63.9405, 72.2476,
78.2853

■ 57.6222, 69.0778,
74.1321

■ 71.1869, 75.8969,
82.6182

■ 52.1860, 66.3578,
70.1507

■ 79.3927, 80.0358,
87.1292

■ 47.5910, 64.0686,
66.3394

■ 84.0014, 82.3173,
91.6076

■ 43.7908, 62.1862,
62.6946

■ 84.8444, 82.6545,
96.0470

■ 40.7341, 60.6844,
59.2126

■ 85.7139, 83.0023,
100.6259

■ 38.3639, 59.5336,
55.8893

■ 86.6102, 83.3608,
105.3457

■ 36.6142, 58.6999,
52.7202

■ 86.7605, 83.4209,
106.1368

■ 35.4059, 58.1426,
49.7002

■ 34.7482, 57.8520,
47.4811

Harmonies

Analogous

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



64.6248, 72.2476, 71.6239



63.9405, 72.2476, 78.2853



64.4973, 72.2476, 85.4551

Triad

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



63.9405, 72.2476, 78.2853



71.0008, 72.2476, 91.5053



71.2364, 72.2476, 67.4294

Complementary

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



63.9405, 72.2476, 78.2853



63.2451, 61.6358, 66.9592

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.



73.0172, 72.2476, 72.2451



63.9405, 72.2476, 78.2853



72.8788, 72.2476, 86.1538

Square

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



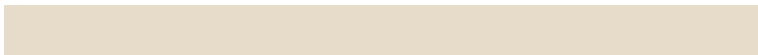
63.9405, 72.2476, 78.2853



68.5363, 72.2476, 93.3619



73.6254, 72.2476, 79.0466



68.8022, 72.2476, 65.5982

Rectangle

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



63.9405, 72.2476, 78.2853



65.5051, 72.2476, 89.5056



73.6254, 72.2476, 79.0466



71.9335, 72.2476, 68.7378

Sweetspot

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



63.9426, 72.2506, 78.2869



90.9884, 97.9533, 106.5803



63.3635, 72.2536, 64.6405



19.3166, 20.8861, 22.7201



0.0000, 0.0000, 0.0000



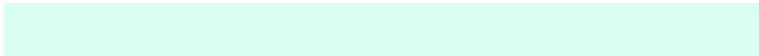
20.3446, 21.4041, 23.3091

Same Dimension

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



63.9426, 72.2506, 78.2869



80.8488, 92.8525, 100.3952



63.1364, 69.1226, 82.6910



14.6453, 16.2716, 17.6631



20.3133, 33.7574, 27.9479



1.5377, 2.5092, 2.2578

Inverse Universe

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



63.2451, 61.6358, 66.9592



79.7593, 76.2653, 82.6959



63.9488, 64.3747, 63.0889



14.5241, 14.4268, 15.6943



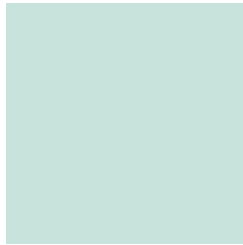
18.9418, 9.7109, 3.3226



1.4363, 0.7322, 0.4382

Previews

White Background



This preview shows how the XYZ color 63.9405, 72.2476, 78.2853 looks on a white background.

Color Contrast Check

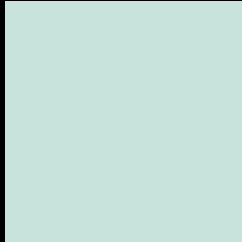
Large Text (above 18pt) WCAG AA × Fail

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 63.9405, 72.2476, 78.2853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

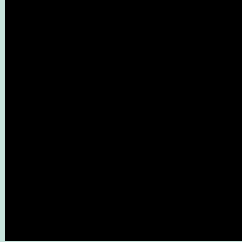
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

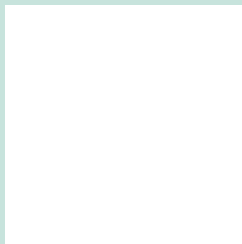
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.9405, 72.2476, 78.2853

Background



This preview shows how black text looks on a background with the XYZ color 63.9405, 72.2476, 78.2853.

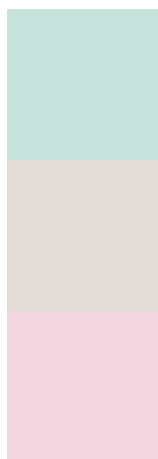


This preview shows how white text looks on a background with the XYZ color 63.9405, 72.2476,

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

63.9405, 72.2476, 78.2853

Protanopia

69.3519, 72.3130, 75.2683

Deuteranopia

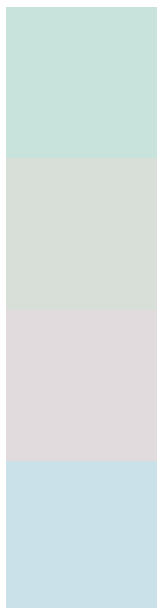
73.6415, 72.1216, 79.8516



Tritanopia

67.3113, 72.4186, 94.4349

Trichromacy



Original Color

63.9405, 72.2476, 78.2853

Protanomaly

67.2310, 72.3840, 76.0737

Deuteranomaly

69.8804, 72.1057, 79.3419

Tritanomaly

66.1336, 72.3475, 88.3208

Monochromacy



Original Color

63.9405, 72.2476, 78.2853

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.5066, 70.6763, 77.2071

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9405, 72.2476, 78.2853 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(199, 227, 220) looks like.

```
.text, #text, p{  
    color:rgb(199, 227, 220)  
}
```

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(199, 227, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 227, 220) }
```

Border

The CSS property to change the border of an element to XYZ 63.9405, 72.2476, 78.2853 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(199, 227, 220) }
```


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

```
.border{ border-color:rgb(199, 227, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 227, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 227, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 227, 220);  
box-shadow:4px 4px 4px 4px rgb(199, 227,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9405, 72.2476, 78.2853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 227, 220) }
```

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

```
.background{ background-color: rgb(199,  
227, 220) }
```

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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