

Converting Colors

XYZ(63.2123, 72.5570, 80.2396)

Have a look what the booklet for
XYZ(63.2123, 72.5570, 80.2396)
contains.

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Color

**XYZ(63.3309, 72.7038,
80.5074)**

Conversions

Conversions Part 1

Format	Color
Hex	C1E5DF
RGB	193, 229, 223
RGB Percent	76%, 90%, 87%
CMY	0.2431, 0.1019, 0.1255
CMYK	0.16, 0.00, 0.03, 0.10
HSL	170°, 41%, 83%
HSV	170°, 16%, 90%
XYZ	63.3309, 72.7038, 80.5074
YIQ	217.5520, -19.5300, -9.4980

Conversions

Conversions Part 2

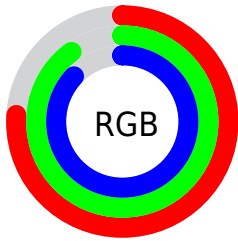
Format	Color
R _Y B	193, 213, 229
Decimal	12707295
CIE Lab	88.31, -12.88, -1.01
CIE LCh	88, 12.923, 184.496
Yxy	72.7038, 0.2925, 0.3357
Android (android.graphics.Color)	4290897375 (0xFFC1E5DF)
YUV	217.5520, 2.6859, -21.5321
Hunter-Lab	85.2665, -16.6372, 3.7058

Details

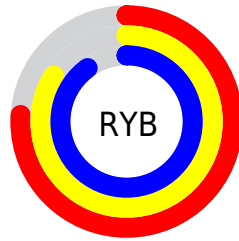
The XYZ color **63.3309, 72.7038, 80.5074** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.6944, 58.9234, 62.1577**, and the grayscale version is **66.3256, 69.7797, 75.9901**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **32.6589, 38.2033, 42.6984** is the 20% darker color. If you saturate the color by 10%, you get **57.4305, 69.7228, 77.5753**, and if you desaturate by 10%, it is **70.1510, 76.1615, 83.5462**.

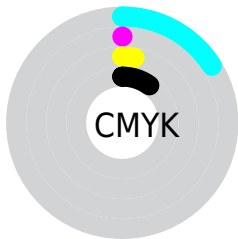
Distribution



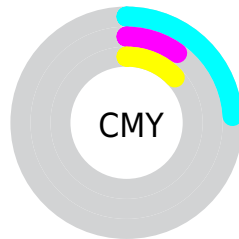
- Red (76%)
- Green (90%)
- Blue (87%)



- Red (76%)
- Yellow (84%)
- Blue (90%)



- Cyan (16%)
- Magenta (0%)
- Yellow (3%)
- Black (10%)



- Cyan (24%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.3309, 72.7038, 80.5074 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 63.3309, 72.7038, 80.5074 by changing the saturation by 10% instead.

63.3309, 72.7038,
80.5074

63.3309, 72.7038,
80.5074

426.4100,
469.9876, 516.3930

46.3686, 53.7338,
59.6074

108.7259,
123.0566, 135.8967

32.7426, 38.3889,
42.6790

137.8893,
155.2082, 171.2231

22.0877, 26.2846,
29.3038

171.8505,
192.5225, 212.1953

14.0383, 17.0367,
19.0632

210.9747,
235.3838, 259.2319

8.2292, 10.2607,
11.5387

255.6275,
284.1766, 312.7514

4.2950, 5.5721,
6.3117

306.1740,

1.8703, 2.5867,

339.2852, 373.1724

2.9637

362.9797,
401.0941, 440.9134

■ 0.5595, 0.9200,
1.0761

■ 0.0000, 0.0000,
0.0000

■ 63.3309, 72.7038,
80.5074

■ 63.3309, 72.7038,
80.5074

■ 57.4305, 69.7228,
77.5753

■ 70.1510, 76.1615,
83.5462

■ 52.4020, 67.1880,
74.7427

■ 77.9236, 80.1069,
86.6891

■ 48.2028, 65.0794,
72.0087

■ 84.1777, 83.2681,
89.8223

■ 44.7841, 63.3718,
69.3707

■ 84.7338, 83.4906,
92.7507

■ 42.0918, 62.0375,
66.8257

■ 85.3018, 83.7178,
95.7417

■ 40.0652, 61.0449,
64.3704

■ 85.8818, 83.9498,
98.7958

■ 38.6331, 60.3576,
62.0012

■ 86.4738, 84.1866,
101.9134

■ 37.7081, 59.9305,
59.7136

■ 87.0780, 84.4282,
105.0949

■ 37.4048, 59.7950,
58.7566

■ 87.3107, 84.5213,
106.3202

Harmonies

Analogous

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



63.8629, 72.7038, 72.0391



63.3309, 72.7038, 80.5074



64.3072, 72.7038, 89.2259

Triad

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



63.3309, 72.7038, 80.5074



72.5328, 72.7038, 94.0764



71.7004, 72.7038, 64.7368

Complementary

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



63.3309, 72.7038, 80.5074



61.6944, 58.9234, 62.1577

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.



74.1311, 72.7038, 69.8850



63.3309, 72.7038, 80.5074



74.6217, 72.7038, 86.7398

Square

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



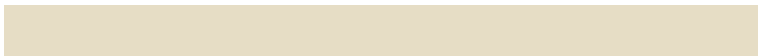
63.3309, 72.7038, 80.5074



69.5709, 72.7038, 97.4231



75.2151, 72.7038, 77.8318



68.6367, 72.7038, 63.3387

Rectangle

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



63.3309, 72.7038, 80.5074



65.6996, 72.7038, 93.8833



75.2151, 72.7038, 77.8318



72.6215, 72.7038, 66.0662

Sweetspot

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



63.3330, 72.7068, 80.5090



90.1734, 97.5253, 106.8950



61.3599, 72.1163, 61.1391



19.1594, 20.8027, 22.8202



0.0000, 0.0000, 0.0000



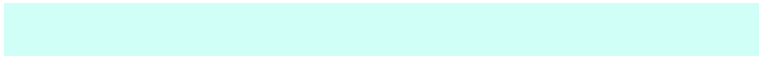
20.3446, 21.4041, 23.3091

Same Dimension

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



63.3330, 72.7068, 80.5090



78.1429, 91.4312, 101.4615



61.1052, 66.9328, 83.8310



14.6988, 16.2930, 17.9448



21.4239, 34.2017, 33.7960



1.6107, 2.5384, 2.6424

Inverse Universe

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



61.6944, 58.9234, 62.1577



75.6620, 70.5551, 73.6708



63.6293, 63.8867, 59.4309



14.4745, 14.4070, 15.4334



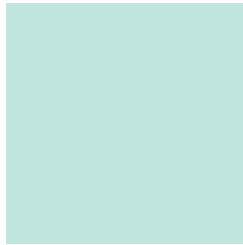
18.7064, 9.6168, 2.0828



1.4118, 0.7224, 0.3092

Previews

White Background



This preview shows how the XYZ color 63.3309, 72.7038, 80.5074 looks on a white background.

Color Contrast Check

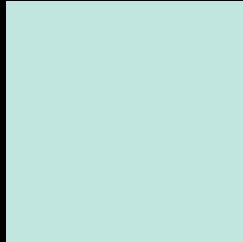
Large Text (above 18pt) WCAG AA × Fail

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 63.3309, 72.7038, 80.5074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

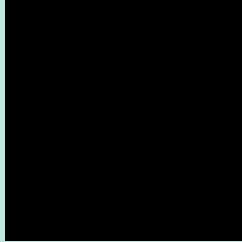
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

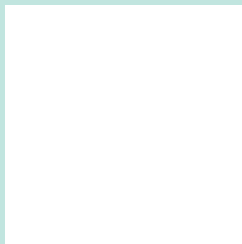
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.3309, 72.7038, 80.5074

Background



This preview shows how black text looks on a background with the XYZ color 63.3309, 72.7038, 80.5074.

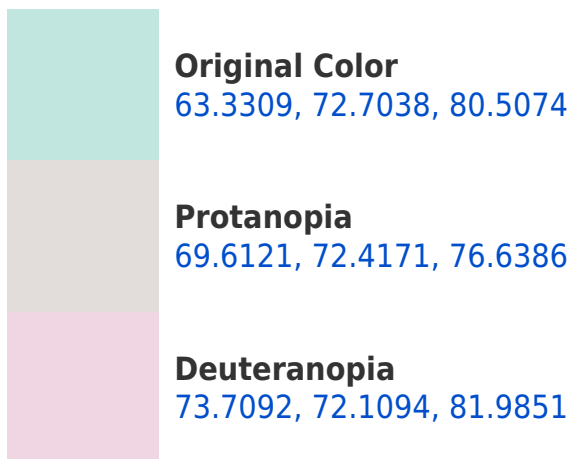


This preview shows how white text looks on a background with the XYZ color 63.3309, 72.7038,

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

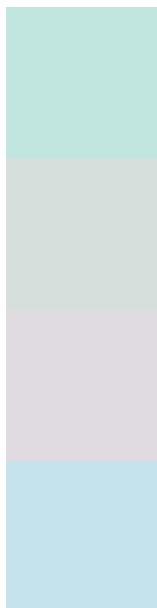




Tritanopia

66.5514, 72.7947, 96.1311

Trichromacy



Original Color

63.3309, 72.7038, 80.5074

Protanomaly

67.0375, 72.2388, 78.1204

Deuteranomaly

69.3536, 71.7873, 81.4352

Tritanomaly

65.3744, 72.7301, 89.9496

Monochromacy



Original Color

63.3309, 72.7038, 80.5074

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.3340, 70.9652, 77.9643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.3309, 72.7038, 80.5074 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(193, 229, 223)` looks like.

```
.text, #text, p{  
    color:rgb(193, 229, 223)  
}
```

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(193, 229, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 229, 223) }
```

Border

The CSS property to change the border of an element to XYZ 63.3309, 72.7038, 80.5074 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(193, 229, 223) }
```


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

```
.border{ border-color:rgb(193, 229, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 229, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 229, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 229, 223);  
box-shadow:4px 4px 4px 4px rgb(193, 229,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 63.3309, 72.7038, 80.5074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 229, 223) }
```

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

```
.background{ background-color: rgb(193,  
229, 223) }
```

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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