

Converting Colors

XYZ(63.7990, 70.9823, 77.3562)

Have a look what the booklet for
XYZ(63.7990, 70.9823, 77.3562)
contains.

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Color

**XYZ(63.7990, 70.9823,
77.3562)**

Conversions

Conversions Part 1

Format	Color
Hex	CAE0DB
RGB	202, 224, 219
RGB Percent	79%, 88%, 86%
CMY	0.2078, 0.1215, 0.1412
CMYK	0.10, 0.00, 0.02, 0.12
HSL	166°, 26%, 84%
HSV	166°, 10%, 88%
XYZ	63.7990, 70.9823, 77.3562
YIQ	216.8520, -11.5070, -6.2190

Conversions

Conversions Part 2

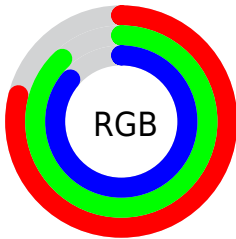
Format	Color
RYB	202, 214, 224
Decimal	13295835
CIELab	87.48, -8.23, -0.05
CIELCh	87, 8.233, 180.367
Yxy	70.9823, 0.3007, 0.3346
Android (android.graphics.Color)	4291485915 (0xFFCAE0DB)
YUV	216.8520, 1.0590, -13.0252
Hunter-Lab	84.2510, -12.2703, 4.5378

Details

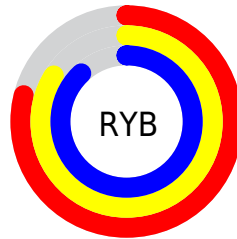
The XYZ color **63.7990, 70.9823, 77.3562** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.1261, 62.5953, 67.7899**, and the grayscale version is **65.8523, 69.2817, 75.4478**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.1015, 37.3522, 40.5870** is the 20% darker color. If you saturate the color by 10%, you get **57.5125, 67.8198, 73.6160**, and if you desaturate by 10%, it is **70.9898, 74.6126, 81.2489**.

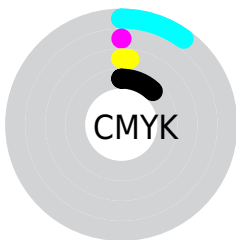
Distribution



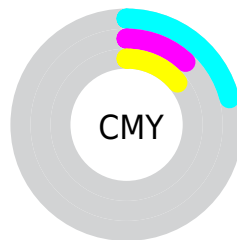
- Red (79%)
- Green (88%)
- Blue (86%)



- Red (79%)
- Yellow (84%)
- Blue (88%)



- Cyan (10%)
- Magenta (0%)
- Yellow (2%)
- Black (12%)



- Cyan (21%)
- Magenta (12%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7990, 70.9823, 77.3562 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 63.7990, 70.9823, 77.3562 by changing the saturation by 10% instead.

■ 63.7990, 70.9823,
77.3562

■ 63.7990, 70.9823,
77.3562

428.0772,
463.9916, 505.4475

■ 46.7490, 52.3278,
57.0320

109.3968,
120.6085, 131.4198

■ 33.0444, 37.2664,
40.6214

138.6752,
152.3490, 165.9962

■ 22.3198, 25.4138,
27.7059

172.7605,
189.2202, 206.1604

■ 14.2100, 16.3856,
17.8670

212.0180,
231.6066, 252.3310

■ 8.3496, 9.7974,
10.6861

256.8131,
279.8925, 304.9264

■ 4.3731, 5.2649,
5.7446

307.5110,

■ 1.9153, 2.4035,

334.4624, 364.3653

2.6242

364.4773,
395.7006, 431.0662

■ 0.5857, 0.8277,
0.9049

■ 0.0000, 0.0000,
0.0000

■ 63.7990, 70.9823,
77.3562

■ 63.7990, 70.9823,
77.3562

■ 57.5125, 67.8198,
73.6160

■ 70.9898, 74.6126,
81.2489

■ 52.0865, 65.0965,
70.0207


■ 79.1145, 78.7200,
85.2918


■ 47.4821, 62.7945,
66.5691


■ 82.7889, 80.5307,
89.2355

■ 43.6556, 60.8911,
63.2582


■ 83.5326, 80.8282,
93.1519

 40.5586, 59.3616,
60.0847


 84.2976, 81.1341,
97.1801


 38.1375, 58.1783,
57.0452


 85.0839, 81.4487,
101.3209

 36.3312, 57.3096,
54.1357

 85.8918, 81.7718,
105.5754

 35.0669, 56.7182,
51.3518

 85.9469, 81.7939,
105.8656

 34.2201, 56.3397,
48.6866

Harmonies

Analogous

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



64.2709, 70.9823, 72.1169



63.7990, 70.9823, 77.3562



64.2940, 70.9823, 82.8241

Triad

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



63.7990, 70.9823, 77.3562



69.3730, 70.9823, 86.8922



69.3308, 70.9823, 68.3551

Complementary

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



63.7990, 70.9823, 77.3562



63.1261, 62.5953, 67.7899

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.



70.7417, 70.9823, 72.0036



63.7990, 70.9823, 77.3562



70.7664, 70.9823, 82.6999

Square

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



63.7990, 70.9823, 77.3562



67.4905, 70.9823, 88.4889



71.2720, 70.9823, 77.2192



67.4426, 70.9823, 67.0740

Rectangle

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



63.7990, 70.9823, 77.3562



65.1113, 70.9823, 85.8246



71.2720, 70.9823, 77.2192



69.8779, 70.9823, 69.3364

Sweetspot

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



63.8010, 70.9853, 77.3578



92.0125, 98.4663, 107.3025



63.0880, 70.8633, 66.2313



19.5248, 20.9902, 22.8764



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.



63.8010, 70.9853, 77.3578



83.5744, 94.2112, 102.6207



62.9199, 68.1530, 80.3630



13.9762, 15.5162, 16.9101



19.9552, 32.8069, 28.5510



1.4162, 2.2872, 2.1529

Inverse Universe

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



63.1261, 62.5953, 67.7899



82.4777, 80.5764, 87.0726



63.9269, 65.1606, 65.0863



13.8343, 13.7513, 14.8974



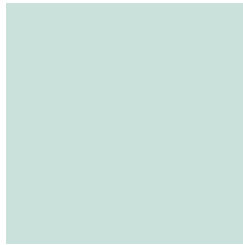
18.2764, 9.3775, 2.8551



1.3008, 0.6636, 0.3767

Previews

White Background



This preview shows how the XYZ color 63.7990, 70.9823, 77.3562 looks on a white background.

Color Contrast Check

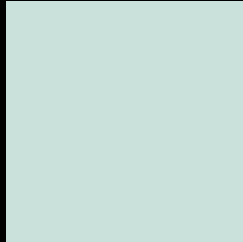
Large Text (above 18pt) WCAG AA × Fail

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 63.7990, 70.9823, 77.3562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

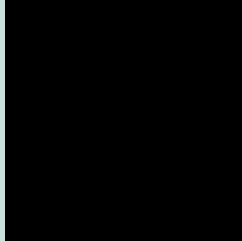
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

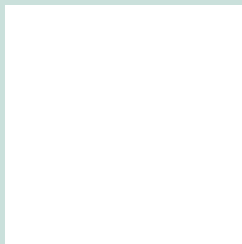
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.7990, 70.9823, 77.3562

Background



This preview shows how black text looks on a background with the XYZ color 63.7990, 70.9823, 77.3562.

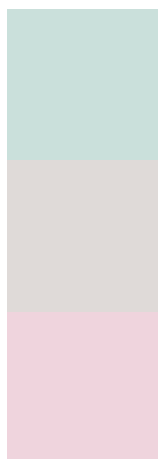


This preview shows how white text looks on a background with the XYZ color 63.7990, 70.9823,

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

63.7990, 70.9823, 77.3562

Protanopia

67.8975, 70.7887, 75.0507

Deuteranopia

72.1912, 70.6581, 78.2401



Tritanopia

66.6133, 70.9240, 91.8402

Trichromacy



Original Color

63.7990, 70.9823, 77.3562

Protanomaly

66.1419, 70.6432, 75.7951

Deuteranomaly

68.8382, 70.4478, 77.6798

Tritanomaly

65.5886, 70.9061, 86.5733

Monochromacy



Original Color

63.7990, 70.9823, 77.3562

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.3995, 70.2454, 76.4415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7990, 70.9823, 77.3562 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(202, 224, 219) looks like.

```
.text, #text, p{  
    color:rgb(202, 224, 219)  
}
```

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(202, 224, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 224, 219) }
```

Border

The CSS property to change the border of an element to XYZ 63.7990, 70.9823, 77.3562 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(202, 224, 219) }
```


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

```
.border{ border-color:rgb(202, 224, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 224, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 224, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 224, 219);  
box-shadow:4px 4px 4px 4px rgb(202, 224,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7990, 70.9823, 77.3562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 224, 219) }
```

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

```
.background{ background-color: rgb(202,  
224, 219) }
```

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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