

Converting Colors

XYZ(63.7828, 70.6782, 82.2052)

Have a look what the booklet for
XYZ(63.7828, 70.6782, 82.2052)
contains.

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Color

**XYZ(63.9363, 70.9444,
82.2753)**

Conversions

Conversions Part 1

Format	Color
Hex	C7E0E2
RGB	199, 224, 226
RGB Percent	78%, 88%, 89%
CMY	0.2196, 0.1215, 0.1137
CMYK	0.12, 0.01, 0.00, 0.11
HSL	184°, 32%, 83%
HSV	184°, 12%, 89%
XYZ	63.9363, 70.9444, 82.2753
YIQ	216.7530, -15.5420, -4.6780

Conversions

Conversions Part 2

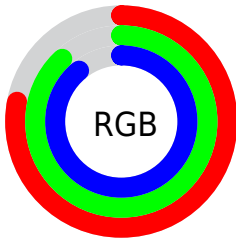
Format	Color
RYB	199, 212, 226
Decimal	13099234
CIELab	87.46, -7.84, -3.79
CIELCh	87, 8.708, 205.799
Yxy	70.9444, 0.2944, 0.3267
Android (android.graphics.Color)	4291289314 (0xFFC7E0E2)
YUV	216.7530, 4.5588, -15.5694
Hunter-Lab	84.2285, -11.9038, 1.0448

Details

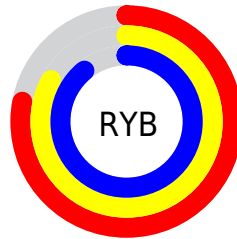
The XYZ color **63.9363, 70.9444, 82.2753** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.5599, 62.0653, 62.7166**, and the grayscale version is **65.7633, 69.1881, 75.3459**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.2157, 37.3360, 43.9840** is the 20% darker color. If you saturate the color by 10%, you get **57.9331, 67.1880, 81.8678**, and if you desaturate by 10%, it is **70.8385, 75.1747, 82.7292**.

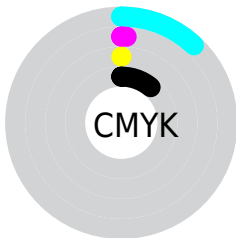
Distribution



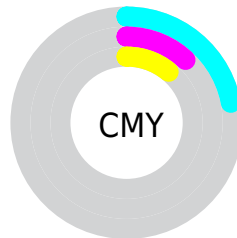
- Red (78%)
- Green (88%)
- Blue (89%)



- Red (78%)
- Yellow (83%)
- Blue (89%)



- Cyan (12%)
- Magenta (1%)
- Yellow (0%)
- Black (11%)



- Cyan (22%)
- Magenta (12%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.9363, 70.9444, 82.2753 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 63.9363, 70.9444, 82.2753 by changing the saturation by 10% instead.

■ 63.9363, 70.9444,
82.2753

■ 63.9363, 70.9444,
82.2753

428.5654,
463.8590, 522.4757

■ 46.8606, 52.2968,
61.0553

109.5934,
120.5546, 138.4001

■ 33.1329, 37.2417,
43.8390

138.9056,
152.2859, 174.1421

■ 22.3880, 25.3947,
30.2077

173.0272,
189.1473, 215.5618

■ 14.2605, 16.3714,
19.7429

212.3237,
231.5232, 263.0779

■ 8.3850, 9.7873,
12.0261

257.1604,
279.7979, 317.1087

■ 4.3961, 5.2582,
6.6387

307.9027,

■ 1.9286, 2.3995,

334.3559, 378.0729

3.1622

364.9159,
395.5814, 446.3891

■ 0.5934, 0.8256,
1.1780

■ 0.0000, 0.0000,
0.0000

■ 63.9363, 70.9444,
82.2753

■ 63.9363, 70.9444,
82.2753

■ 57.9331, 67.1880,
81.8678

■ 70.8385, 75.1747,
82.7292

■ 52.7837, 63.8763,
81.4999

■ 78.6704, 79.8888,
83.2263

■ 48.4481, 60.9907,
81.1715

■ 82.9922, 82.8001,
83.5604

■ 44.8807, 58.5076,
80.8802

■ 83.4569, 83.7296,
83.7154

■ 42.0314, 56.4012,
80.6238

■ 83.9261, 84.6680,
83.8718

■ 39.8440, 54.6425,
80.3996

■ 84.3998, 85.6154,
84.0297

■ 38.2541, 53.1983,
80.2047

■ 84.8780, 86.5717,
84.1890

■ 37.1844, 52.0286,
80.0353

■ 85.3607, 87.5371,
84.3499

■ 36.5989, 51.2336,
79.9127

■ 85.8479, 88.5115,
84.5123

Harmonies

Analogous

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



63.5672, 70.9444, 76.4207



63.9363, 70.9444, 82.2753



65.2345, 70.9444, 86.9858

Triad

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



63.9363, 70.9444, 82.2753



70.7506, 70.9444, 83.7813



67.7203, 70.9444, 66.5043

Complementary

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



63.9363, 70.9444, 82.2753



62.5599, 62.0653, 62.7166

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.



69.6753, 70.9444, 68.2625



63.9363, 70.9444, 82.2753



71.4472, 70.9444, 78.0780

Square

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



63.9363, 70.9444, 82.2753



69.1643, 70.9444, 87.8858



71.0498, 70.9444, 72.4267



65.7259, 70.9444, 67.5023

Rectangle

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



63.9363, 70.9444, 82.2753



66.4661, 70.9444, 88.7407



71.0498, 70.9444, 72.4267



68.4042, 70.9444, 66.7901

Sweetspot

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



63.9383, 70.9474, 82.2769



91.1563, 97.6362, 108.6490



61.2698, 70.7436, 65.5619



19.3592, 20.8055, 23.2455



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.



63.9383, 70.9474, 82.2769



82.2773, 92.1737, 108.0626



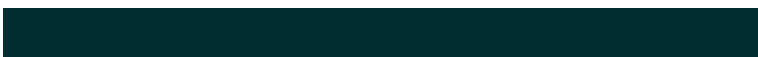
60.5016, 64.0739, 81.1313



14.0253, 15.3897, 17.6190



20.9177, 29.3050, 45.6023



1.4762, 2.0838, 3.1697

Inverse Universe

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



65.2436, 62.3988, 79.1299



84.2777, 79.1308, 103.2266



65.7965, 68.5386, 63.7955



14.2490, 13.9172, 17.0813



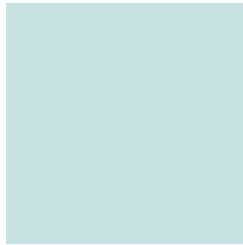
24.4985, 11.8664, 35.6205



1.7114, 0.8278, 2.5388

Previews

White Background



This preview shows how the XYZ color 63.9363, 70.9444, 82.2753 looks on a white background.

Color Contrast Check

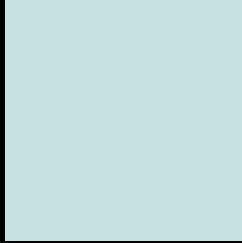
Large Text (above 18pt) WCAG AA × Fail

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 63.9363, 70.9444, 82.2753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

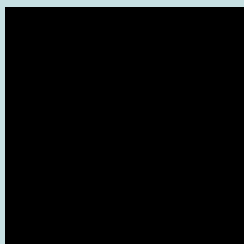
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

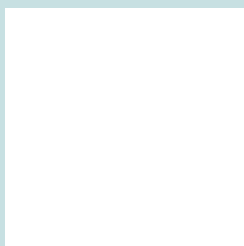
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.9363, 70.9444, 82.2753

Background



This preview shows how black text looks on a background with the XYZ color 63.9363, 70.9444, 82.2753.

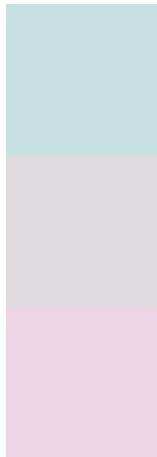


This preview shows how white text looks on a background with the XYZ color 63.9363, 70.9444,

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

63.9363, 70.9444, 82.2753

Protanopia

68.3804, 70.9463, 79.1972

Deuteranopia

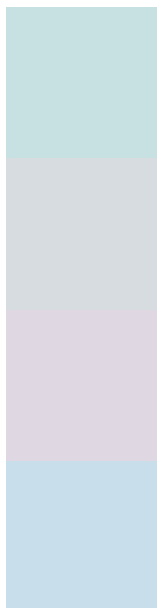
72.1391, 70.5213, 83.2086



Tritanopia

65.9368, 70.9513, 92.6578

Trichromacy



Original Color

63.9363, 70.9444, 82.2753

Protanomaly

66.6440, 70.8103, 79.9673

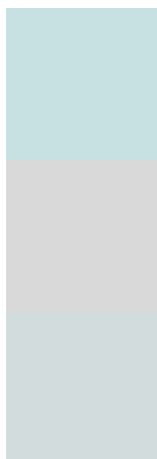
Deuteranomaly

68.8524, 70.3458, 82.6222

Tritanomaly

65.2025, 71.0529, 88.8753

Monochromacy



Original Color

63.9363, 70.9444, 82.2753

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.0898, 70.0553, 77.8016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9363, 70.9444, 82.2753 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, 224, 226) looks like.

```
.text, #text, p{  
    color:rgb(199, 224, 226)  
}
```

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, 224, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 224, 226) }
```

Border

The CSS property to change the border of an element to XYZ 63.9363, 70.9444, 82.2753 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, 224, 226) }
```


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

```
.border{ border-color:rgb(199, 224, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 224, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 224, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 224, 226);  
box-shadow:4px 4px 4px 4px rgb(199, 224,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9363, 70.9444, 82.2753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 224, 226) }
```

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

```
.background{ background-color: rgb(199,  
224, 226) }
```

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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