

Converting Colors

XYZ(63.0013, 70.6907, 76.6751)

Have a look what the booklet for
XYZ(63.0013, 70.6907, 76.6751)
contains.

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Color

**XYZ(62.8637, 70.5154,
76.6272)**

Conversions

Conversions Part 1

Format	Color
Hex	C7E0DA
RGB	199, 224, 218
RGB Percent	78%, 88%, 85%
CMY	0.2196, 0.1215, 0.1451
CMYK	0.11, 0.00, 0.03, 0.12
HSL	166°, 29%, 83%
HSV	166°, 11%, 88%
XYZ	62.8637, 70.5154, 76.6272
YIQ	215.8410, -12.9740, -7.1660

Conversions

Conversions Part 2

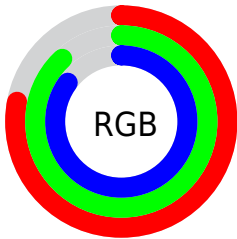
Format	Color
R_{YB}	199, 213, 224
Decimal	13099226
CIE Lab	87.25, -9.40, 0.12
CIE LCh	87, 9.404, 179.283
Yxy	70.5154, 0.2993, 0.3358
Android (android.graphics.Color)	4291289306 (0xFFC7E0DA)
YUV	215.8410, 1.0644, -14.7696
Hunter-Lab	83.9734, -13.3259, 4.6783

Details

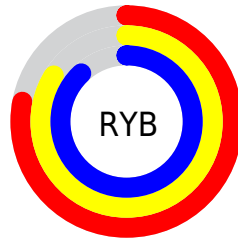
The XYZ color **62.8637, 70.5154, 76.6272** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.1859, 61.1037, 66.2774**, and the grayscale version is **65.1630, 68.5565, 74.6581**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.4759, 37.0400, 40.0881** is the 20% darker color. If you saturate the color by 10%, you get **56.6602, 67.3993, 72.7233**, and if you desaturate by 10%, it is **69.9690, 74.0976, 80.6955**.

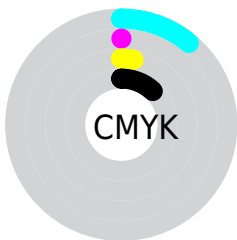
Distribution



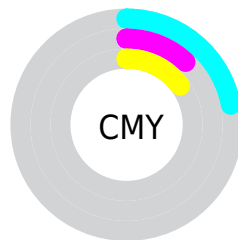
- Red (78%)
- Green (88%)
- Blue (85%)



- Red (78%)
- Yellow (84%)
- Blue (88%)



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



- Cyan (22%)
- Magenta (12%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.8637, 70.5154, 76.6272 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 62.8637, 70.5154, 76.6272 by changing the saturation by 10% instead.

62.8637, 70.5154,
76.6272

62.8637, 70.5154,
76.6272

424.7422,
462.3576, 502.8959

45.9892, 51.9468,
56.4372

108.0558,
119.9435, 130.3813

32.4419, 36.9627,
40.1472

137.1040,
151.5717, 164.7825

21.8564, 25.1786,
27.3387

170.9409,
188.3220, 204.7579

13.8674, 16.2102,
17.5931

209.9318,
230.5787, 250.7259

8.1096, 9.6730,
10.4918

254.4420,
278.7262, 303.1052

4.2176, 5.1827,
5.6164

304.8369,

1.8259, 2.3548,

333.1490, 362.3143

2.5483

361.4818,
394.2313, 428.7716

■ 0.5332, 0.8025,
0.8656

■ 0.0000, 0.0000,
0.0000

■ 62.8637, 70.5154,
76.6272

■ 62.8637, 70.5154,
76.6272

■ 56.6602, 67.3993,
72.7233

■ 69.9690, 74.0976,
80.6955

■ 51.3141, 64.7207,
68.9762


■ 78.0059, 78.1555,
84.9262


■ 46.7863, 62.4614,
65.3844


■ 82.7680, 80.5224,
89.1251


■ 43.0324, 60.5984,
61.9447


■ 83.5533, 80.8365,
93.2605


 40.0034, 59.1066,
58.6536


 84.3622, 81.1601,
97.5204

 37.6448, 57.9579,
55.5073

 85.1951, 81.4932,
101.9061

 35.8941, 57.1201,
52.5019

 85.9470, 81.7940,
105.8657

 34.6767, 56.5547,
49.6324

 33.9336, 56.2246,
47.2035

Harmonies

Analogous

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



63.4362, 70.5154, 70.7304



62.8637, 70.5154, 76.6272



63.3850, 70.5154, 82.8858

Triad

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



62.8637, 70.5154, 76.6272



69.1224, 70.5154, 87.8884



69.2164, 70.5154, 66.7867

Complementary

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



62.8637, 70.5154, 76.6272



62.1859, 61.1037, 66.2774

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.



70.7971, 70.5154, 70.9803



62.8637, 70.5154, 76.6272



70.7420, 70.5154, 83.1635

Square

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



62.8637, 70.5154, 76.6272



66.9696, 70.5154, 89.5998



71.3614, 70.5154, 76.9316



67.0759, 70.5154, 65.2441

Rectangle

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



62.8637, 70.5154, 76.6272



64.2894, 70.5154, 86.3757



71.3614, 70.5154, 76.9316



69.8325, 70.5154, 67.9213

Sweetspot

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



62.8657, 70.5184, 76.6288



91.9970, 98.4601, 107.2208



62.2125, 70.4527, 64.3536



19.5206, 20.9885, 22.8543



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.



62.8657, 70.5184, 76.6288



82.6330, 93.7438, 101.7676



62.0165, 67.5398, 80.2924



13.9685, 15.5131, 16.8693



19.7980, 32.7440, 27.7228



1.4065, 2.2833, 2.1018

Inverse Universe

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



62.1859, 61.1037, 66.2774



81.5776, 79.1254, 85.6958



62.9428, 63.7552, 63.0223



13.8415, 13.7542, 14.9354



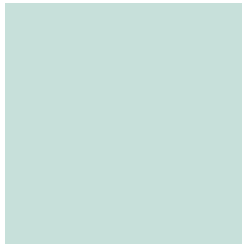
18.3155, 9.3932, 3.0614



1.3044, 0.6650, 0.3958

Previews

White Background



This preview shows how the XYZ color 62.8637, 70.5154, 76.6272 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 62.8637, 70.5154, 76.6272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

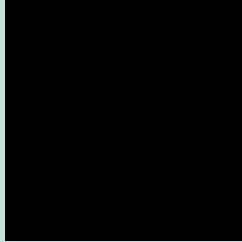
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

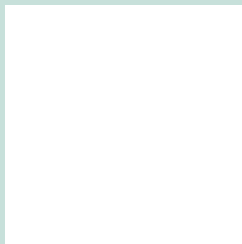
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 62.8637, 70.5154, 76.6272

Background



This preview shows how black text looks on a background with the XYZ color 62.8637, 70.5154, 76.6272.

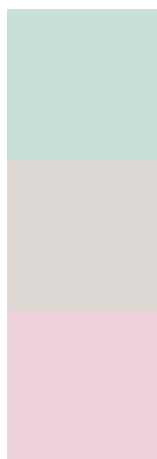


This preview shows how white text looks on a background with the XYZ color 62.8637, 70.5154,

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

62.8637, 70.5154, 76.6272

Protanopia

67.3819, 70.1687, 73.6108

Deuteranopia

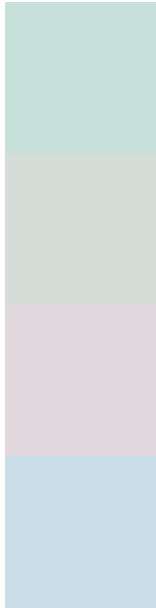
71.6053, 69.9861, 78.1413



Tritanopia

65.9177, 70.5825, 91.0385

Trichromacy



Original Color

62.8637, 70.5154, 76.6272

Protanomaly

65.5905, 70.3888, 74.4194

Deuteranomaly

68.2146, 70.1263, 77.6506

Tritanomaly

64.9022, 70.5686, 85.8017

Monochromacy



Original Color

62.8637, 70.5154, 76.6272

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.4342, 69.3744, 75.6402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.8637, 70.5154, 76.6272 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, 218) looks like.

```
.text, #text, p{  
    color:rgb(199, 224, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 224, 218) }
```

Border

The CSS property to change the border of an element to XYZ 62.8637, 70.5154, 76.6272 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, 218) }
```


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

```
.border{ border-color:rgb(199, 224, 218) }
```

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, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 224, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 224, 218);  
box-shadow:4px 4px 4px 4px rgb(199, 224,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 62.8637, 70.5154, 76.6272 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, 218) }
```

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

```
.background{ background-color: rgb(199,  
224, 218) }
```

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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