

Converting Colors

XYZ(63.1421, 71.2501, 75.6001)

Have a look what the booklet for
XYZ(63.1421, 71.2501, 75.6001)
contains.

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Color

**XYZ(62.8731, 70.9504,
75.3468)**

Conversions

Conversions Part 1

Format	Color
Hex	C7E1D8
RGB	199, 225, 216
RGB Percent	78%, 88%, 85%
CMY	0.2196, 0.1176, 0.1529
CMYK	0.12, 0.00, 0.04, 0.12
HSL	159°, 30%, 83%
HSV	159°, 12%, 88%
XYZ	62.8731, 70.9504, 75.3468
YIQ	216.2000, -12.6070, -8.3110

Conversions

Conversions Part 2

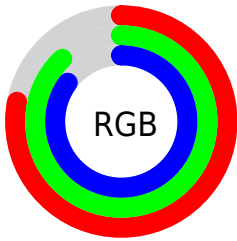
Format	Color
RYB	199, 215, 225
Decimal	13099480
CIELab	87.46, -10.29, 1.48
CIElCh	87, 10.400, 171.822
Yxy	70.9504, 0.3006, 0.3392
Android (android.graphics.Color)	4291289560 (0xFFC7E1D8)
YUV	216.2000, -0.0986, -15.0844
Hunter-Lab	84.2321, -14.1689, 5.9267

Details

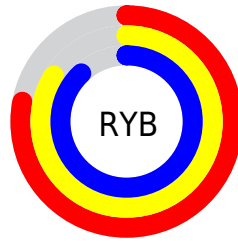
The XYZ color **62.8731, 70.9504, 75.3468** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.8625, 61.4104, 68.2180**, and the grayscale version is **65.4150, 68.8217, 74.9468**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.4848, 37.3424, 39.2139** is the 20% darker color. If you saturate the color by 10%, you get **56.3558, 67.7062, 69.9091**, and if you desaturate by 10%, it is **70.3249, 74.6747, 81.0805**.

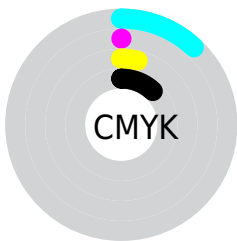
Distribution



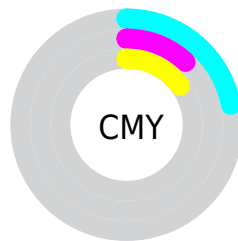
- Red (78%)
- Green (88%)
- Blue (85%)



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



- Cyan (12%)
- Magenta (0%)
- Yellow (4%)
- Black (12%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.8731, 70.9504, 75.3468 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 62.8731, 70.9504, 75.3468 by changing the saturation by 10% instead.

62.8731, 70.9504,
75.3468

62.8731, 70.9504,
75.3468

424.7758,
463.8800, 498.3959

45.9968, 52.3017,
55.3936

108.0693,
120.5631, 128.5548

32.4479, 37.2456,
39.3162

137.1198,
152.2959, 162.6466

21.8611, 25.3977,
26.6961

170.9592,
189.1589, 202.2884

13.8709, 16.3736,
17.1147

209.9528,
231.5364, 247.8987

8.1120, 9.7889,
10.1535

254.4659,
279.8129, 299.8961

4.2191, 5.2592,
5.3939

304.8638,

1.8268, 2.4002,

334.3727, 358.6991

2.4174

361.5120,
395.6003, 424.7262

■ 0.5338, 0.8260,
0.7959

■ 0.0000, 0.0000,
0.0000

■ 62.8731, 70.9504,
75.3468

■ 62.8731, 70.9504,
75.3468

■ 56.3558, 67.7062,
69.9091

■ 70.3249, 74.6747,
81.0805

■ 50.7277, 64.9130,
64.7575


■ 78.7420, 78.8892,
87.1105


■ 45.9487, 62.5522,
59.8880


■ 83.8017, 81.3671,
93.2393


■ 41.9732, 60.6003,
55.2950


■ 84.9803, 81.8386,
99.4457

 38.7511, 59.0316,
50.9724


 86.2092, 82.3301,
105.9167

 36.2266, 57.8173,
46.9140

 86.2165, 82.3331,
105.9555

 34.3354, 56.9245,
43.1129

 33.0010, 56.3139,
39.5615

 32.2008, 55.9628,
36.7495

Harmonies

Analogous

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



63.7949, 70.9504, 69.1984



62.8731, 70.9504, 75.3468



63.1504, 70.9504, 82.3855

Triad

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



62.8731, 70.9504, 75.3468



69.2053, 70.9504, 90.4881



70.3947, 70.9504, 67.1104

Complementary

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



62.8731, 70.9504, 75.3468



62.8625, 61.4104, 68.2180

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.



71.9117, 70.9504, 72.3381



62.8731, 70.9504, 75.3468



71.2135, 70.9504, 85.9094

Square

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



62.8731, 70.9504, 75.3468



66.7673, 70.9504, 91.4145



72.2150, 70.9504, 79.1909



68.1096, 70.9504, 64.6351

Rectangle

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



62.8731, 70.9504, 75.3468



63.9810, 70.9504, 86.6180



72.2150, 70.9504, 79.1909



71.0137, 70.9504, 68.5884

Sweetspot

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



62.8751, 70.9534, 75.3484



91.8677, 98.4084, 106.5404



63.2769, 71.4015, 64.4808



19.4857, 20.9746, 22.6703



0.0000, 0.0000, 0.0000



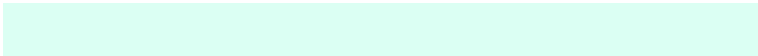
20.3446, 21.4041, 23.3091

Same Dimension

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



62.8751, 70.9534, 75.3484



81.1870, 93.0759, 98.1952



63.0290, 69.3469, 81.3010



13.9044, 15.4875, 16.5320



18.6117, 32.2695, 21.4762



1.3318, 2.2534, 1.7082

Inverse Universe

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



62.8625, 61.4104, 68.2180



81.1672, 77.8866, 86.8471



62.6948, 62.7977, 62.8508



13.9022, 13.7785, 15.2550



18.7334, 9.5603, 5.2616



1.3397, 0.6791, 0.5816

Previews

White Background



This preview shows how the XYZ color 62.8731, 70.9504, 75.3468 looks on a white background.

Color Contrast Check

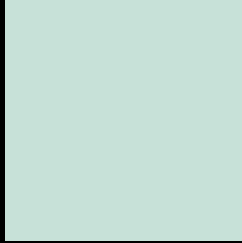
Large Text (above 18pt) WCAG AA × Fail

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 62.8731, 70.9504, 75.3468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

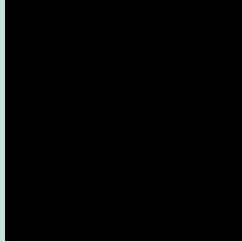
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

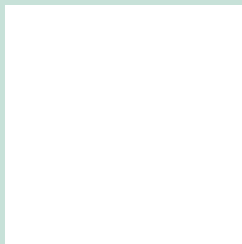
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 62.8731, 70.9504, 75.3468

Background



This preview shows how black text looks on a background with the XYZ color 62.8731, 70.9504, 75.3468.



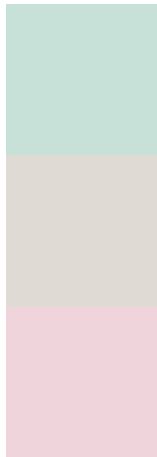
This preview shows how white text looks on a background with the XYZ color 62.8731, 70.9504,

75.3468.

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

62.8731, 70.9504, 75.3468

Protanopia

67.6955, 70.7436, 72.3743

Deuteranopia

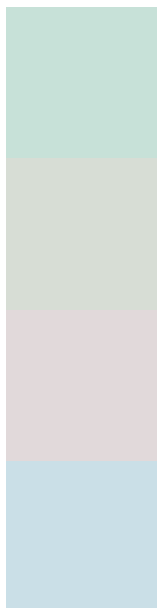
72.2648, 70.7267, 76.8607



Tritanopia

66.3299, 71.1711, 91.9028

Trichromacy



Original Color

62.8731, 70.9504, 75.3468

Protanomaly

65.8910, 70.9641, 73.1754

Deuteranomaly

68.5191, 70.6952, 76.3639

Tritanomaly

65.1686, 71.1014, 85.8905

Monochromacy



Original Color

62.8731, 70.9504, 75.3468

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.3045, 69.3225, 74.9571

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.8731, 70.9504, 75.3468 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, 225, 216) looks like.

```
.text, #text, p{  
    color:rgb(199, 225, 216)  
}
```

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, 225, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 225, 216) }
```

Border

The CSS property to change the border of an element to XYZ 62.8731, 70.9504, 75.3468 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, 225, 216) }
```


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

```
.border{ border-color:rgb(199, 225, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 225, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 225, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 225, 216);  
box-shadow:4px 4px 4px 4px rgb(199, 225,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 62.8731, 70.9504, 75.3468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 225, 216) }
```

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

```
.background{ background-color: rgb(199,  
225, 216) }
```

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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