

Converting Colors

XYZ(63.8535, 72.3609, 70.4632)

Have a look what the booklet for
XYZ(63.8535, 72.3609, 70.4632)
contains.

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Color

**XYZ(63.7561, 72.3296,
70.2752)**

Conversions

Conversions Part 1

Format	Color
Hex	CCE3D0
RGB	204, 227, 208
RGB Percent	80%, 89%, 82%
CMY	0.2000, 0.1098, 0.1843
CMYK	0.10, 0.00, 0.08, 0.11
HSL	130°, 29%, 85%
HSV	130°, 10%, 89%
XYZ	63.7561, 72.3296, 70.2752
YIQ	217.9570, -7.6090, -10.7850

Conversions

Conversions Part 2

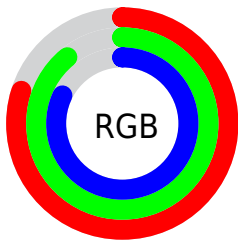
Format	Color
R_{YB}	204, 224, 227
Decimal	13427664
CIE _{Lab}	88.13, -11.14, 6.69
CIE _{LCh}	88, 12.990, 149.005
Yxy	72.3296, 0.3090, 0.3505
Android (android.graphics.Color)	4291617744 (0xFFCCE3D0)
YUV	217.9570, -4.9088, -12.2403
Hunter-Lab	85.0468, -15.0178, 10.5407

Details

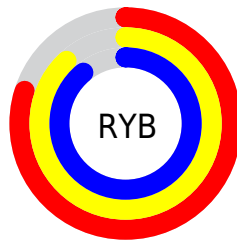
The XYZ color **63.7561, 72.3296, 70.2752** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.5933, 64.8461, 78.8222**, and the grayscale version is **66.6491, 70.1201, 76.3608**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.1629, 38.3222, 36.2209** is the 20% darker color. If you saturate the color by 10%, you get **55.8095, 68.4861, 58.5634**, and if you desaturate by 10%, it is **72.8864, 76.7559, 83.4695**.

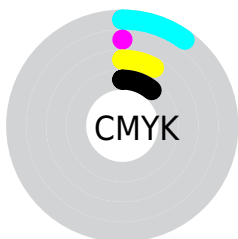
Distribution



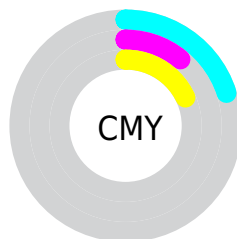
- Red (80%)
- Green (89%)
- Blue (82%)



- Red (80%)
- Yellow (88%)
- Blue (89%)



- Cyan (10%)
- Magenta (0%)
- Yellow (8%)
- Black (11%)



- Cyan (20%)
- Magenta (11%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7561, 72.3296, 70.2752 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 63.7561, 72.3296, 70.2752 by changing the saturation by 10% instead.

63.7561, 72.3296,
70.2752

63.7561, 72.3296,
70.2752

427.9245,
468.6880, 480.3309

46.7141, 53.4280,
51.2727

109.3353,
122.5250, 121.2859

33.0167, 38.1445,
36.0475

138.6032,
154.5876, 154.1313

22.2985, 26.0949,
24.1809

172.6772,
191.8059, 192.4280

14.1943, 16.8946,
15.2544

211.9225,
234.5644, 236.5946

8.3385, 10.1594,
8.8495

256.7045,
283.2475, 287.0496

4.3659, 5.5048,
4.5477

307.3886,

1.9112, 2.5464,

338.2395, 344.2117

1.9304

364.3402,
399.9249, 408.4992

■ 0.5833, 0.8998,
0.5120

■ 0.0000, 0.0000,
0.0000

■ 63.7561, 72.3296,
70.2752

■ 63.7561, 72.3296,
70.2752

■ 55.8095, 68.4861,
58.5634

■ 72.8864, 76.7559,
83.4695

■ 48.9921, 65.1922,
48.2777

■ 83.2401, 81.7784,
98.1908

■ 43.2540, 62.4254,
39.3649

■ 86.7605, 83.4209,
106.1368

■ 38.5391, 60.1581,
31.7670

■ 34.7864, 58.3600,
25.4214

■ 31.9279, 56.9977,
20.2609

■ 29.8870, 56.0331,
16.2116

■ 28.5733, 55.4213,
13.1914

■ 27.8446, 55.0906,
11.1269

Harmonies

Analogous

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



65.8931, 72.3296, 64.7296



63.7561, 72.3296, 70.2752



62.9498, 72.3296, 78.4583

Triad

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



63.7561, 72.3296, 70.2752



68.6436, 72.3296, 97.1139



74.1009, 72.3296, 70.7526

Complementary

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



63.7561, 72.3296, 70.2752



66.5933, 64.8461, 78.8222

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.



74.8898, 72.3296, 79.0517



63.7561, 72.3296, 70.2752



71.6824, 72.3296, 94.6719

Square

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



63.7561, 72.3296, 70.2752



65.7188, 72.3296, 94.3369



73.9920, 72.3296, 87.8901



71.8670, 72.3296, 64.9903

Rectangle

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



63.7561, 72.3296, 70.2752



63.2563, 72.3296, 84.4541



73.9920, 72.3296, 87.8901



74.5468, 72.3296, 73.3175

Sweetspot

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



63.7581, 72.3327, 70.2768



91.2904, 98.1775, 103.4999



68.8539, 75.0158, 67.9782



19.3301, 20.9123, 21.8509



0.0000, 0.0000, 0.0000



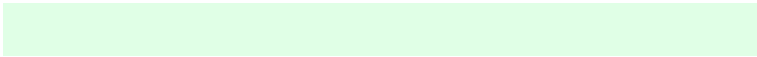
20.3446, 21.4041, 23.3091

Same Dimension

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



63.7581, 72.3327, 70.2768



80.8684, 93.1288, 88.3712



65.2034, 72.9108, 77.8874



14.2911, 16.1299, 15.7977



16.2679, 32.1393, 6.6452



1.2324, 2.3871, 0.6505

Inverse Universe

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



66.5933, 64.8461, 78.8222



85.2083, 81.6686, 101.4513



65.1154, 64.2550, 71.0394



14.8819, 14.5699, 17.5784



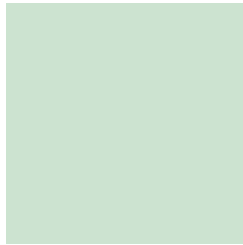
23.7777, 11.6453, 28.7879



1.7855, 0.8719, 2.2770

Previews

White Background



This preview shows how the XYZ color 63.7561, 72.3296, 70.2752 looks on a white background.

Color Contrast Check

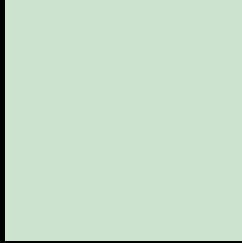
Large Text (above 18pt) WCAG AA × Fail

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 63.7561, 72.3296, 70.2752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

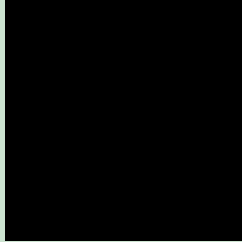
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

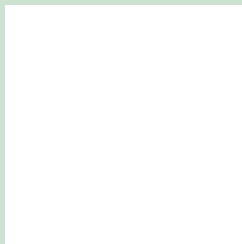
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.7561, 72.3296, 70.2752

Background



This preview shows how black text looks on a background with the XYZ color 63.7561, 72.3296, 70.2752.

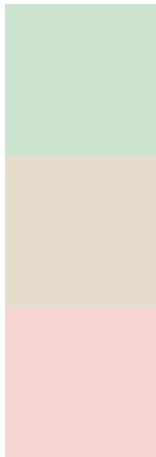


This preview shows how white text looks on a background with the XYZ color 63.7561, 72.3296,

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

63.7561, 72.3296, 70.2752

Protanopia

68.8054, 72.2040, 67.4371

Deuteranopia

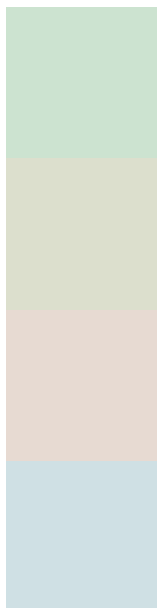
73.5582, 71.8845, 71.6262



Tritanopia

68.1439, 72.0891, 92.7611

Trichromacy



Original Color

63.7561, 72.3296, 70.2752

Protanomaly

66.9223, 72.3988, 68.2048

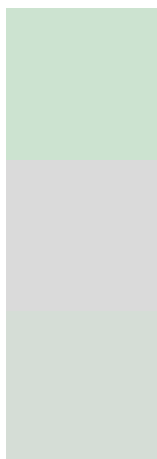
Deuteranomaly

69.6593, 71.7849, 71.1572

Tritanomaly

66.3914, 72.1781, 83.8314

Monochromacy



Original Color

63.7561, 72.3296, 70.2752

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.4346, 70.7141, 73.8187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7561, 72.3296, 70.2752 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(204, 227, 208)` looks like.

```
.text, #text, p{  
    color:rgb(204, 227, 208)  
}
```

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(204, 227, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 227, 208) }
```

Border

The CSS property to change the border of an element to XYZ 63.7561, 72.3296, 70.2752 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(204, 227, 208) }
```


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

```
.border{ border-color:rgb(204, 227, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 227, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 227, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 227, 208);  
box-shadow:4px 4px 4px 4px rgb(204, 227,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7561, 72.3296, 70.2752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 227, 208) }
```

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

```
.background{ background-color: rgb(204,  
227, 208) }
```

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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