

Converting Colors

XYZ(63.6932, 72.4965, 79.7435)

Have a look what the booklet for
XYZ(63.6932, 72.4965, 79.7435)
contains.

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Color

**XYZ(63.6932, 72.4965,
79.7435)**

Conversions

Conversions Part 1

Format	Color
Hex	C4E4DE
RGB	196, 228, 222
RGB Percent	77%, 89%, 87%
CMY	0.2314, 0.1059, 0.1294
CMYK	0.14, 0.00, 0.03, 0.11
HSL	169°, 37%, 83%
HSV	169°, 14%, 89%
XYZ	63.6932, 72.4965, 79.7435
YIQ	217.7480, -17.1460, -8.6500

Conversions

Conversions Part 2

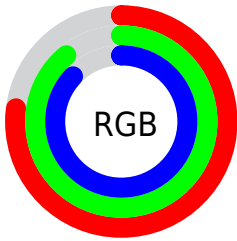
Format	Color
R _{YB}	196, 214, 228
Decimal	12903646
CIE Lab	88.21, -11.62, -0.61
CIE LCh	88, 11.640, 183.005
Yxy	72.4965, 0.2950, 0.3357
Android (android.graphics.Color)	4291093726 (0xFFC4E4DE)
YUV	217.7480, 2.0962, -19.0730
Hunter-Lab	85.1449, -15.4754, 4.0726

Details

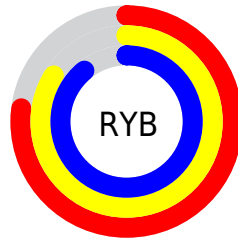
The XYZ color **63.6932, 72.4965, 79.7435** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.3981, 60.2401, 64.2192**, and the grayscale version is **66.4632, 69.9244, 76.1477**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **33.0740, 38.4279, 42.2334** is the 20% darker color. If you saturate the color by 10%, you get **57.6418, 69.4443, 76.5070**, and if you desaturate by 10%, it is **70.6645, 76.0252, 83.1021**.

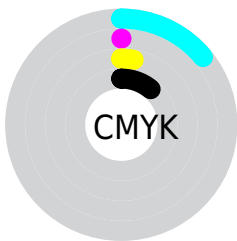
Distribution



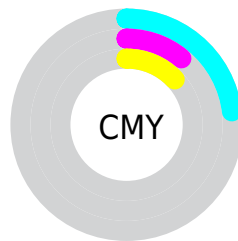
- Red (77%)
- Green (89%)
- Blue (87%)



- Red (77%)
- Yellow (84%)
- Blue (89%)



- Cyan (14%)
- Magenta (0%)
- Yellow (3%)
- Black (11%)



- Cyan (23%)
- Magenta (11%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.6932, 72.4965, 79.7435 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 63.6932, 72.4965, 79.7435 by changing the saturation by 10% instead.

63.6932, 72.4965,
79.7435

63.6932, 72.4965,
79.7435

427.7007,
469.2679, 513.7519

46.6630, 53.5644,
58.9824

109.2452,
122.7622, 134.8132

32.9761, 38.2535,
42.1790

138.4977,
154.8645, 169.9588

22.2673, 26.1795,
28.9149

172.5549,
192.1256, 210.7364

14.1712, 16.9580,
18.7714

211.7824,
234.9300, 257.5644

8.3223, 10.2045,
11.3301

256.5453,
283.6621, 310.8614

4.3554, 5.5348,
6.1724

307.2091,

1.9051, 2.5643,

338.7061, 371.0460

2.8797

364.1391,
400.4466, 438.5367

■ 0.5798, 0.9088,
1.0335

■ 0.0000, 0.0000,
0.0000

■ 63.6932, 72.4965,
79.7435

■ 63.6932, 72.4965,
79.7435

■ 57.6418, 69.4443,
76.5070

■ 70.6645, 76.0252,
83.1021

■ 52.4635, 66.8385,
73.3851


■ 78.5877, 80.0410,
86.5801


■ 48.1166, 64.6597,
70.3770


■ 83.9560, 82.7380,
90.0156


■ 44.5536, 62.8833,
67.4798

■ 84.5809, 82.9879,
93.3067


 41.7219, 61.4823,
64.6905


 85.2209, 83.2439,
96.6765


 39.5627, 60.4264,
62.0058


 85.8759, 83.5059,
100.1257

 38.0077, 59.6803,
59.4218

 86.5460, 83.7740,
103.6546

 36.9737, 59.2013,
56.9342

 87.0347, 83.9695,
106.2282

 36.5265, 59.0022,
55.4925

Harmonies

Analogous

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



64.2416, 72.4965, 72.1751



63.6932, 72.4965, 79.7435



64.5100, 72.4965, 87.5921

Triad

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



63.6932, 72.4965, 79.7435



71.8653, 72.4965, 92.5147



71.3661, 72.4965, 66.0394

Complementary

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



63.6932, 72.4965, 79.7435



62.3981, 60.2401, 64.2192

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.



73.4967, 72.4965, 70.8705



63.6932, 72.4965, 79.7435



73.7903, 72.4965, 86.1073

Square

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



63.6932, 72.4965, 79.7435



69.1870, 72.4965, 95.2705



74.3952, 72.4965, 78.1347



68.6253, 72.4965, 64.5848

Rectangle

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



63.6932, 72.4965, 79.7435



65.7321, 72.4965, 91.8354



74.3952, 72.4965, 78.1347



72.1799, 72.4965, 67.3056

Sweetspot

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



63.6953, 72.4995, 79.7451



91.0899, 97.9939, 107.1147



62.1750, 72.0879, 62.8632



19.3424, 20.8964, 22.8557



0.0000, 0.0000, 0.0000



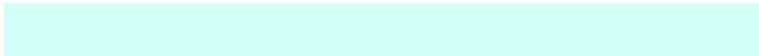
20.3446, 21.4041, 23.3091

Same Dimension

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



63.6953, 72.4995, 79.7451



79.5788, 92.1724, 101.4859



61.9461, 67.6904, 83.2030



14.6854, 16.2876, 17.8740



21.1322, 34.0850, 32.2600



1.5917, 2.5308, 2.5423

Inverse Universe

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



62.3981, 60.2401, 64.2192



77.5855, 73.3279, 77.6232



63.9363, 64.4320, 61.2926



14.4869, 14.4119, 15.4983



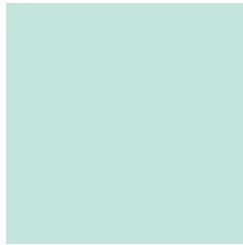
18.7564, 9.6368, 2.3461



1.4177, 0.7248, 0.3399

Previews

White Background



This preview shows how the XYZ color 63.6932, 72.4965, 79.7435 looks on a white background.

Color Contrast Check

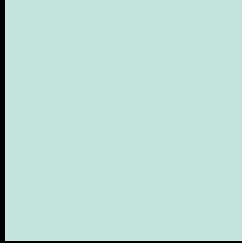
Large Text (above 18pt) WCAG AA × Fail

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 63.6932, 72.4965, 79.7435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

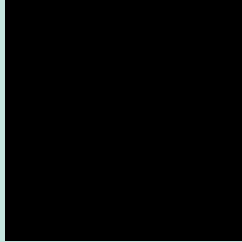
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

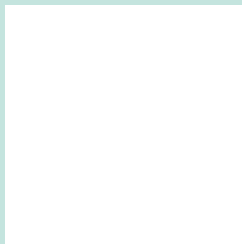
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.6932, 72.4965, 79.7435

Background



This preview shows how black text looks on a background with the XYZ color 63.6932, 72.4965, 79.7435.



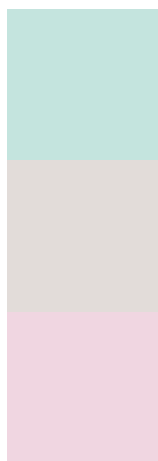
This preview shows how white text looks on a background with the XYZ color 63.6932, 72.4965,

79.7435.

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

63.6932, 72.4965, 79.7435

Protanopia

69.4816, 72.3649, 75.9514

Deuteranopia

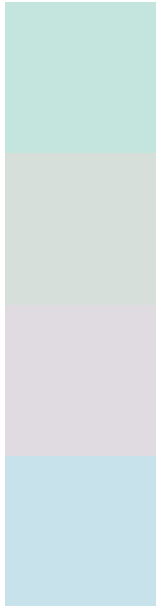
73.5724, 72.0546, 81.2644



Tritanopia

66.9223, 72.6009, 95.2802

Trichromacy



Original Color

63.6932, 72.4965, 79.7435

Protanomaly

67.1982, 72.3369, 77.4385

Deuteranomaly

69.5265, 71.8921, 80.7331

Tritanomaly

65.7449, 72.5330, 89.1324

Monochromacy



Original Color

63.6932, 72.4965, 79.7435

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.4858, 71.0587, 77.2821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6932, 72.4965, 79.7435 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(196, 228, 222)` looks like.

```
.text, #text, p{  
    color:rgb(196, 228, 222)  
}
```

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(196, 228, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 228, 222) }
```

Border

The CSS property to change the border of an element to XYZ 63.6932, 72.4965, 79.7435 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(196, 228, 222) }
```


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

```
.border{ border-color:rgb(196, 228, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 228, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 228, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 228, 222);  
box-shadow:4px 4px 4px 4px rgb(196, 228,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6932, 72.4965, 79.7435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 228, 222) }
```

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

```
.background{ background-color: rgb(196,  
228, 222) }
```

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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