

Converting Colors

XYZ(65.0244, 72.4532, 81.6711)

Have a look what the booklet for
XYZ(65.0244, 72.4532, 81.6711)
contains.

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Color

**XYZ(64.8744, 72.2465,
81.7599)**

Conversions

Conversions Part 1

Format	Color
Hex	C9E2E1
RGB	201, 226, 225
RGB Percent	79%, 89%, 88%
CMY	0.2118, 0.1137, 0.1176
CMYK	0.11, 0.00, 0.00, 0.11
HSL	178°, 30%, 84%
HSV	178°, 11%, 89%
XYZ	64.8744, 72.2465, 81.7599
YIQ	218.4110, -14.5790, -5.6110

Conversions

Conversions Part 2

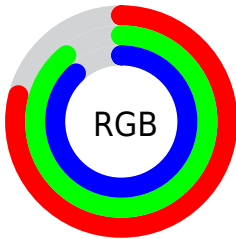
Format	Color
R_{YB}	201, 214, 226
Decimal	13230817
CIE _{Lab}	88.09, -8.42, -2.32
CIE _{LCh}	88, 8.734, 195.431
Yxy	72.2465, 0.2964, 0.3301
Android (android.graphics.Color)	4291420897 (0xFFC9E2E1)
YUV	218.4110, 3.2484, -15.2694
Hunter-Lab	84.9979, -12.5069, 2.4672

Details

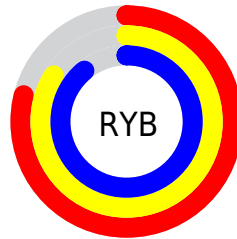
The XYZ color **64.8744, 72.2465, 81.7599** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.9140, 62.2083, 64.5719**, and the grayscale version is **66.9114, 70.3960, 76.6613**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.8512, 38.2311, 43.6254** is the 20% darker color. If you saturate the color by 10%, you get **59.1175, 69.2949, 80.8478**, and if you desaturate by 10%, it is **71.5300, 75.6652, 82.7205**.

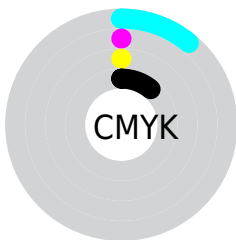
Distribution



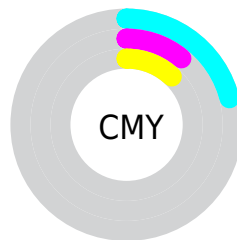
- Red (79%)
- Green (89%)
- Blue (88%)



- Red (79%)
- Yellow (84%)
- Blue (89%)



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



- Cyan (21%)
- Magenta (11%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8744, 72.2465, 81.7599 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 64.8744, 72.2465, 81.7599 by changing the saturation by 10% instead.

64.8744, 72.2465,
81.7599

64.8744, 72.2465,
81.7599

431.8928,
468.3991, 520.7066

47.6236, 53.3601,
60.6330

110.9360,
122.4069, 137.6709

33.7389, 38.0903,
43.5004

140.4774,
154.4497, 173.2921

22.8550, 26.0528,
29.9436

174.8465,
191.6467, 214.5818

14.6066, 16.8631,
19.5441

214.4084,
234.3824, 261.9585

8.6283, 10.1369,
11.8833

259.5287,
283.0410, 315.8408

4.5547, 5.4899,
6.5427

310.5726,

2.0205, 2.5374,

338.0071, 376.6472

3.1037

367.9055,
399.6650, 444.7963

■ 0.6454, 0.8953,
1.1478

■ 0.0000, 0.0000,
0.0000

■ 64.8744, 72.2465,
81.7599

■ 64.8744, 72.2465,
81.7599

■ 59.1175, 69.2949,
80.8478

■ 71.5300, 75.6652,
82.7205

■ 54.2141, 66.7813,
79.9775

■ 79.1147, 79.5608,
83.7266

■ 50.1248, 64.6873,
79.1488

■ 82.4028, 81.2414,
84.5350

■ 46.8041, 62.9894,
78.3594

■ 82.5288, 81.2919,
85.1989

■ 44.2024, 61.6622,
77.6071

■ 82.6556, 81.3426,
85.8662

■ 42.2642, 60.6769,
76.8892

■ 82.7830, 81.3935,
86.5371

■ 40.9261, 60.0009,
76.2029

■ 82.9110, 81.4447,
87.2114

■ 40.1119, 59.5949,
75.5444

■ 83.0398, 81.4962,
87.8892

■ 39.7137, 59.4018,
74.9743

■ 83.1691, 81.5480,
88.5706

Harmonies

Analogous

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



64.8594, 72.2465, 75.8102



64.8744, 72.2465, 81.7599



65.8920, 72.2465, 87.1334

Triad

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



64.8744, 72.2465, 81.7599



71.5650, 72.2465, 87.0027



69.6819, 72.2465, 68.0634

Complementary

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



64.8744, 72.2465, 81.7599



62.9140, 62.2083, 64.5719

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.



71.5211, 72.2465, 70.7623



64.8744, 72.2465, 81.7599



72.6232, 72.2465, 81.5888

Square

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



64.8744, 72.2465, 81.7599



69.7407, 72.2465, 90.2631



72.6070, 72.2465, 75.6476



67.6066, 72.2465, 68.1040

Rectangle

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



64.8744, 72.2465, 81.7599



67.0141, 72.2465, 89.5789



72.6070, 72.2465, 75.6476



70.3491, 72.2465, 68.6741

Sweetspot

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



64.8765, 72.2495, 81.7615



92.2419, 98.5581, 108.5108



62.1660, 71.2043, 65.7269



19.5870, 21.0151, 23.2037



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.



64.8765, 72.2495, 81.7615



83.6748, 94.1605, 107.2535



62.0538, 66.3846, 81.4980



14.0916, 15.5624, 17.5174



22.6666, 33.8915, 42.8287



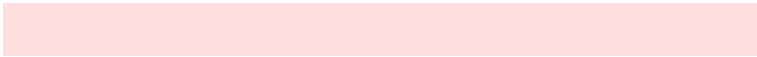
1.5786, 2.3522, 3.0082

Inverse Universe

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



62.9140, 62.2083, 64.5719



80.6651, 78.7603, 80.8903



65.5153, 67.6004, 64.8548



13.7294, 13.7094, 14.3453



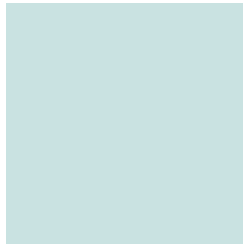
17.9319, 9.2398, 1.0411



1.2509, 0.6436, 0.1141

Previews

White Background



This preview shows how the XYZ color 64.8744, 72.2465, 81.7599 looks on a white background.

Color Contrast Check

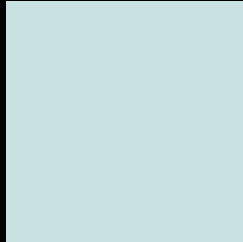
Large Text (above 18pt) WCAG AA × Fail

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 64.8744, 72.2465, 81.7599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

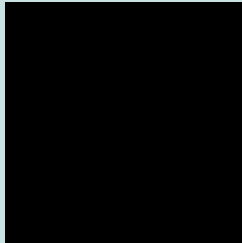
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

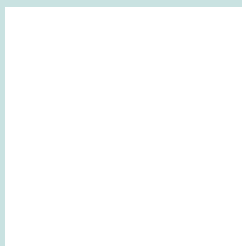
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.8744, 72.2465, 81.7599

Background



This preview shows how black text looks on a background with the XYZ color 64.8744, 72.2465, 81.7599.

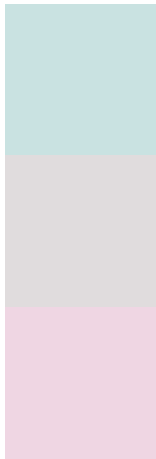


This preview shows how white text looks on a background with the XYZ color 64.8744, 72.2465,

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

64.8744, 72.2465, 81.7599

Protanopia

69.3848, 72.2542, 78.6961

Deuteranopia

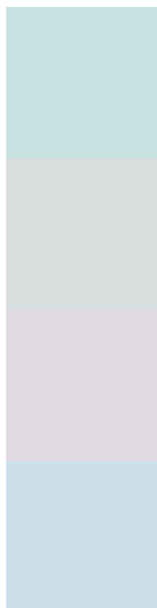
73.5083, 71.9899, 82.6942



Tritanopia

67.1667, 71.9636, 93.5694

Trichromacy



Original Color

64.8744, 72.2465, 81.7599

Protanomaly

67.6250, 72.1154, 79.4627

Deuteranomaly

69.8502, 71.6413, 82.0982

Tritanomaly

66.2797, 72.0060, 89.0025

Monochromacy



Original Color

64.8744, 72.2465, 81.7599

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

66.0590, 70.9304, 78.6159

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8744, 72.2465, 81.7599 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(201, 226, 225)` looks like.

```
.text, #text, p{  
    color:rgb(201, 226, 225)  
}
```

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(201, 226, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 226, 225) }
```

Border

The CSS property to change the border of an element to XYZ 64.8744, 72.2465, 81.7599 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(201, 226, 225) }
```


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

```
.border{ border-color:rgb(201, 226, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 226, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 226, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 226, 225);  
box-shadow:4px 4px 4px 4px rgb(201, 226,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8744, 72.2465, 81.7599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 226, 225) }
```

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

```
.background{ background-color: rgb(201,  
226, 225) }
```

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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