

Converting Colors

XYZ(64.2431, 72.5297, 81.9427)

Have a look what the booklet for
XYZ(64.2431, 72.5297, 81.9427)
contains.

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Color

**XYZ(64.3600, 72.7934,
81.8926)**

Conversions

Conversions Part 1

Format	Color
Hex	C5E4E1
RGB	197, 228, 225
RGB Percent	77%, 89%, 88%
CMY	0.2274, 0.1059, 0.1176
CMYK	0.14, 0.00, 0.01, 0.11
HSL	174°, 36%, 83%
HSV	174°, 14%, 89%
XYZ	64.3600, 72.7934, 81.8926
YIQ	218.3890, -17.5130, -7.5050

Conversions

Conversions Part 2

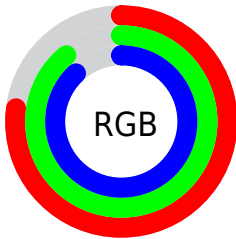
Format	Color
RYB	197, 213, 228
Decimal	12969185
CIELab	88.35, -10.72, -1.97
CIELCh	88, 10.895, 190.420
Yxy	72.7934, 0.2938, 0.3323
Android (android.graphics.Color)	4291159265 (0xFFC5E4E1)
YUV	218.3890, 3.2592, -18.7582
Hunter-Lab	85.3190, -14.6577, 2.8144

Details

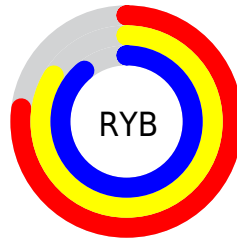
The XYZ color **64.3600, 72.7934, 81.8926** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.3891, 60.5986, 63.0553**, and the grayscale version is **66.8976, 70.3815, 76.6455**.

A 20% lighter version of the original color is **94.6831, 99.8108, 108.8828**, and **33.5270, 38.6291, 43.7193** is the 20% darker color. If you saturate the color by 10%, you get **58.5366, 69.8279, 80.0587**, and if you desaturate by 10%, it is **71.0944, 76.2320, 83.7925**.

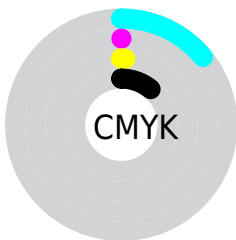
Distribution



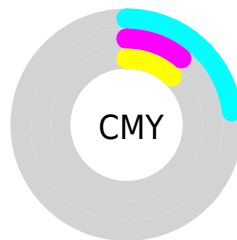
- Red (77%)
- Green (89%)
- Blue (88%)



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



- Cyan (14%)
- Magenta (0%)
- Yellow (1%)
- Black (11%)



- Cyan (23%)
- Magenta (11%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.3600, 72.7934, 81.8926 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 64.3600, 72.7934, 81.8926 by changing the saturation by 10% instead.

■ 64.3600, 72.7934,
81.8926

■ 64.3600, 72.7934,
81.8926

430.0702,
470.2985, 521.1624

■ 47.2051, 53.8070,
60.7417

110.2001,
123.1839, 137.8587

■ 33.4064, 38.4474,
43.5876

139.6159,
155.3568, 173.5110

■ 22.5987, 26.3301,
30.0116

173.8495,
192.6940, 214.8342

■ 14.4165, 17.0708,
19.5953

213.2661,
235.5799, 262.2468

■ 8.4946, 10.2850,
11.9200

258.2311,
284.3989, 316.1674

■ 4.4675, 5.5883,
6.5674

309.1099,

■ 1.9698, 2.5964,

339.5354, 377.0145

3.1187

366.2678,
401.3738, 445.2067

■ 0.6169, 0.9249,
1.1556

■ 0.0000, 0.0000,
0.0000

■ 64.3600, 72.7934,
81.8926

■ 64.3600, 72.7934,
81.8926

■ 58.5366, 69.8279,
80.0587

■ 71.0944, 76.2320,
83.7925

■ 53.5776, 67.3056,
78.2840


■ 78.7715, 80.1542,
85.7555


■ 49.4416, 65.2071,
76.5680


■ 83.4974, 82.5546,
87.6008


■ 46.0811, 63.5080,
74.9085


■ 83.8125, 82.6806,
89.2603


 43.4443, 62.1814,
73.3028


 84.1316, 82.8083,
90.9406


 41.4724, 61.1972,
71.7483


 84.4547, 82.9375,
92.6418


 40.0978, 60.5205,
70.2415

 84.7817, 83.0683,
94.3640

 39.2384, 60.1090,
68.7787

 85.1128, 83.2007,
96.1073

 38.8754, 59.9418,
67.8613

 85.4478, 83.3347,
97.8717

Harmonies

Analogous

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



64.5582, 72.7934, 74.5315



64.3600, 72.7934, 81.8926



65.4304, 72.7934, 88.9672

Triad

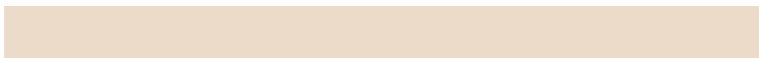
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.3600, 72.7934, 81.8926



72.4993, 72.7934, 90.7349



70.8865, 72.7934, 66.4525

Complementary

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



64.3600, 72.7934, 81.8926



62.3891, 60.5986, 63.0553

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.



73.0866, 72.7934, 70.2852



64.3600, 72.7934, 81.8926



74.0339, 72.7934, 84.1836

Square

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



64.3600, 72.7934, 81.8926



70.1013, 72.7934, 94.2814



74.2515, 72.7934, 76.6837



68.2826, 72.7934, 65.9248

Rectangle

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



64.3600, 72.7934, 81.8926



66.7356, 72.7934, 92.4531



74.2515, 72.7934, 76.6837



71.6996, 72.7934, 67.3851

Sweetspot

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



64.3621, 72.7964, 81.8942



91.2377, 98.0530, 107.8933



61.6698, 71.8143, 63.4358



19.3799, 20.9115, 23.0534



0.0000, 0.0000, 0.0000



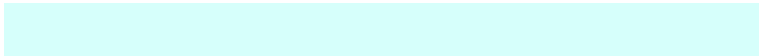
20.3446, 21.4041, 23.3091

Same Dimension

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



64.3621, 72.7964, 81.8942



80.9701, 92.8143, 104.9536



61.4852, 66.3813, 82.9746



14.7441, 16.3111, 18.1831



22.4715, 34.6207, 39.3129



1.6781, 2.5654, 2.9977

Inverse Universe

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



62.3891, 60.5986, 63.0553



78.0121, 74.5244, 76.7072



64.9743, 66.3251, 62.2021



14.4334, 14.3906, 15.2168



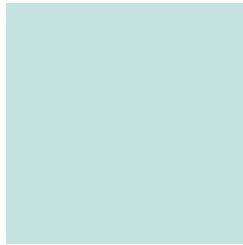
18.5785, 9.5656, 1.4095



1.3923, 0.7146, 0.2064

Previews

White Background



This preview shows how the XYZ color 64.3600, 72.7934, 81.8926 looks on a white background.

Color Contrast Check

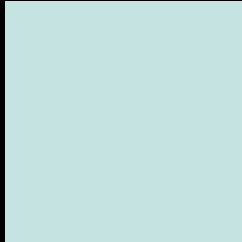
Large Text (above 18pt) WCAG AA × Fail

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 64.3600, 72.7934, 81.8926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

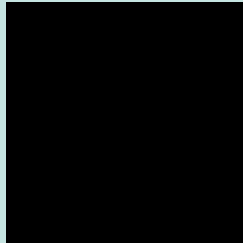
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

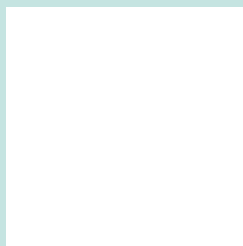
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.3600, 72.7934, 81.8926

Background



This preview shows how black text looks on a background with the XYZ color 64.3600, 72.7934, 81.8926.

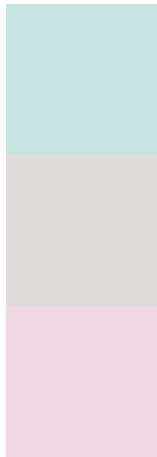


This preview shows how white text looks on a background with the XYZ color 64.3600, 72.7934,

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

64.3600, 72.7934, 81.8926

Protanopia

69.5628, 72.3613, 78.0109

Deuteranopia

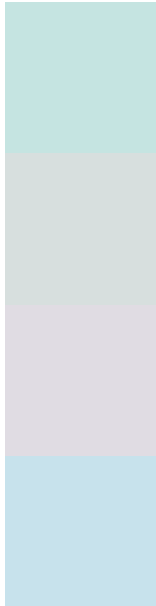
74.2392, 72.7276, 83.5238



Tritanopia

66.9223, 72.6009, 95.2802

Trichromacy



Original Color

64.3600, 72.7934, 81.8926

Protanomaly

67.5968, 72.4964, 79.5377

Deuteranomaly

70.1988, 72.5797, 82.9825

Tritanomaly

65.8899, 72.5910, 89.8956

Monochromacy



Original Color

64.3600, 72.7934, 81.8926

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.7508, 71.1646, 78.6773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3600, 72.7934, 81.8926 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(197, 228, 225) looks like.

```
.text, #text, p{  
    color:rgb(197, 228, 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(197, 228, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 228, 225) }
```

Border

The CSS property to change the border of an element to XYZ 64.3600, 72.7934, 81.8926 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(197, 228, 225) }
```


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

```
.border{ border-color:rgb(197, 228, 225) }
```

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

Here you see how a box with a 4 pixel rgb(197, 228, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 228, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 228, 225);  
box-shadow:4px 4px 4px 4px rgb(197, 228,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3600, 72.7934, 81.8926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 228, 225) }
```

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

```
.background{ background-color: rgb(197,  
228, 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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