

Converting Colors

XYZ(68.7485, 77.4525, 86.9277)

Have a look what the booklet for
XYZ(68.7485, 77.4525, 86.9277)
contains.

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Color

**XYZ(68.7485, 77.4525,
86.9277)**

Conversions

Conversions Part 1

Format	Color
Hex	CCEAE7
RGB	204, 234, 231
RGB Percent	80%, 92%, 91%
CMY	0.2000, 0.0823, 0.0941
CMYK	0.13, 0.00, 0.01, 0.08
HSL	174°, 42%, 86%
HSV	174°, 13%, 92%
XYZ	68.7485, 77.4525, 86.9277
YIQ	224.6880, -16.9170, -7.2930

Conversions

Conversions Part 2

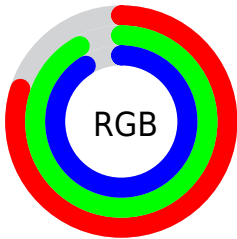
Format	Color
RYB	204, 220, 234
Decimal	13429479
CIELab	90.53, -10.35, -1.86
CIElCh	91, 10.519, 190.212
Yxy	77.4525, 0.2949, 0.3322
Android (android.graphics.Color)	4291619559 (0xFFCCEAE7)
YUV	224.6880, 3.1118, -18.1434
Hunter-Lab	88.0071, -14.5736, 3.0422

Details

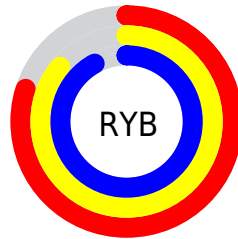
The XYZ color **68.7485, 77.4525, 86.9277** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.7899, 65.1853, 68.0969**, and the grayscale version is **71.3329, 75.0478, 81.7271**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.2359, 41.4200, 46.6425** is the 20% darker color. If you saturate the color by 10%, you get **62.4823, 74.2622, 84.9204**, and if you desaturate by 10%, it is **75.9872, 81.1478, 89.0069**.

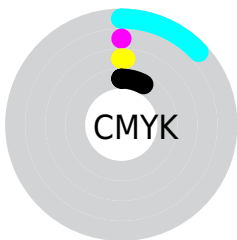
Distribution



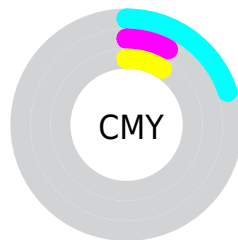
- Red (80%)
- Green (92%)
- Blue (91%)



- Red (80%)
- Yellow (86%)
- Blue (92%)



- Cyan (13%)
- Magenta (0%)
- Yellow (1%)
- Black (8%)



- Cyan (20%)
- Magenta (8%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7485, 77.4525, 86.9277 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 68.7485, 77.4525, 86.9277 by changing the saturation by 10% instead.

68.7485, 77.4525,
86.9277

68.7485, 77.4525,
86.9277

445.4787,
486.3055, 538.2953

50.7828, 57.6243,
64.8761

116.4583,
129.7780, 144.9613

36.2561, 41.5067,
46.9099

146.9332,
163.0442, 181.7805

24.8031, 28.7152,
32.6106

182.3084,
201.5585, 224.3592

16.0584, 18.8655,
21.5596

222.9495,
245.7053, 273.1160

9.6566, 11.5731,
13.3385

269.2217,
295.8690, 328.4695

5.2324, 6.4537,
7.5286

321.4904,

2.4204, 3.1229,

352.4340, 390.8381

3.7114

380.1209,
415.7847, 460.6406

■ 0.8553, 1.1962,
1.4684

■ 0.0000, 0.0586,
0.1942

■ 68.7485, 77.4525,
86.9277

■ 68.7485, 77.4525,
86.9277

■ 62.4823, 74.2622,
84.9204

■ 75.9872, 81.1478,
89.0069

■ 57.1392, 71.5452,
82.9777


■ 84.2318, 85.3591,
91.1547


■ 52.6751, 69.2808,
81.0991


■ 86.1011, 86.2832,
93.0274


■ 49.0401, 67.4434,
79.2822


■ 86.4476, 86.4218,
94.8523


 46.1790, 66.0044,
77.5242


 86.7986, 86.5622,
96.7008


 44.0301, 64.9320,
75.8222


 87.1542, 86.7044,
98.5731


 42.5221, 64.1895,
74.1728

 87.5143, 86.8485,
100.4693

 41.5686, 63.7325,
72.5719

 87.8789, 86.9943,
102.3893

 41.1296, 63.5306,
71.4479

 88.2481, 87.1420,
104.3334

Harmonies

Analogous

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



68.9576, 77.4525, 79.5218



68.7485, 77.4525, 86.9277



69.8199, 77.4525, 94.0375

Triad

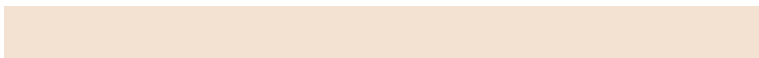
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.7485, 77.4525, 86.9277



76.9312, 77.4525, 95.8887



75.3424, 77.4525, 71.4201

Complementary

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



68.7485, 77.4525, 86.9277



66.7899, 65.1853, 68.0969

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.



77.5479, 77.4525, 75.3195



68.7485, 77.4525, 86.9277



78.4802, 77.4525, 89.3336

Square

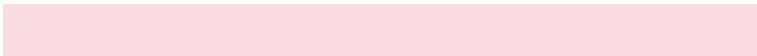
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.7485, 77.4525, 86.9277



74.5169, 77.4525, 99.4115



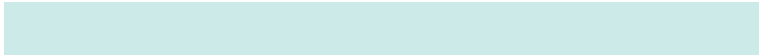
78.7086, 77.4525, 81.7897



72.7229, 77.4525, 70.8612

Rectangle

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



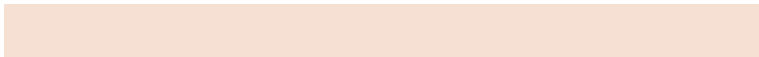
68.7485, 77.4525, 86.9277



71.1313, 77.4525, 97.5431



78.7086, 77.4525, 81.7897



76.1584, 77.4525, 72.3722

Sweetspot

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



68.7507, 77.4557, 86.9294



91.2325, 98.0509, 107.8655



66.1964, 76.5461, 68.4141



19.3786, 20.9109, 23.0464



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.



68.7507, 77.4557, 86.9294



81.7406, 93.2093, 105.0913



66.0098, 71.2891, 88.1267



15.4489, 17.0944, 19.0467



23.1384, 35.7098, 40.2892



1.8357, 2.8116, 3.2628

Inverse Universe

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



66.7899, 65.1853, 68.0969



78.9835, 75.9550, 78.6107



69.2614, 70.7106, 67.1262



15.1267, 15.0785, 15.9526



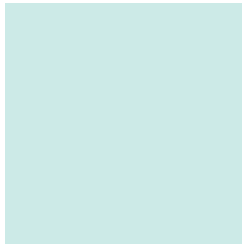
19.1780, 9.8739, 1.4726



1.5266, 0.7836, 0.2247

Previews

White Background



This preview shows how the XYZ color 68.7485, 77.4525, 86.9277 looks on a white background.

Color Contrast Check

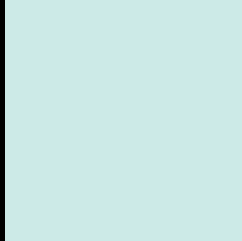
Large Text (above 18pt) WCAG AA × Fail

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 68.7485, 77.4525, 86.9277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

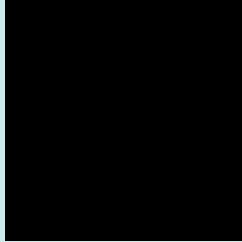
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

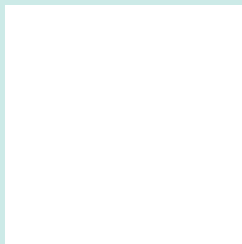
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.7485, 77.4525, 86.9277

Background



This preview shows how black text looks on a background with the XYZ color 68.7485, 77.4525, 86.9277.

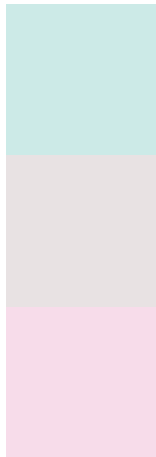


This preview shows how white text looks on a background with the XYZ color 68.7485, 77.4525,

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

68.7485, 77.4525, 86.9277

Protanopia

74.3402, 77.0946, 83.6356

Deuteranopia

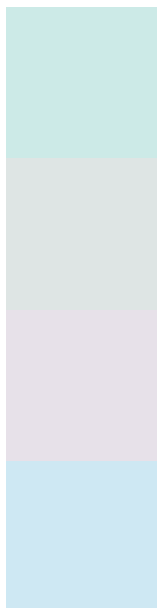
78.8023, 76.9011, 88.5320



Tritanopia

71.5634, 77.3194, 101.5948

Trichromacy



Original Color

68.7485, 77.4525, 86.9277

Protanomaly

72.1471, 77.1697, 84.4915

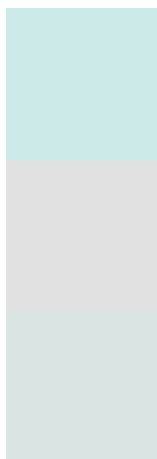
Deuteranomaly

74.5882, 76.7225, 87.9685

Tritanomaly

70.4879, 77.3061, 96.0005

Monochromacy



Original Color

68.7485, 77.4525, 86.9277

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.2238, 75.7846, 83.5997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7485, 77.4525, 86.9277 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, 234, 231)` looks like.

```
.text, #text, p{  
    color:rgb(204, 234, 231)  
}
```

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, 234, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 234, 231) }
```

Border

The CSS property to change the border of an element to XYZ 68.7485, 77.4525, 86.9277 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, 234, 231) }
```


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

```
.border{ border-color:rgb(204, 234, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 234, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 234, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 234, 231);  
box-shadow:4px 4px 4px 4px rgb(204, 234,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7485, 77.4525, 86.9277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 234, 231) }
```

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

```
.background{ background-color: rgb(204,  
234, 231) }
```

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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