

Converting Colors

XYZ(67.5010, 80.6329, 76.0318)

Have a look what the booklet for
XYZ(67.5010, 80.6329, 76.0318)
contains.

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Color

**XYZ(67.5711, 80.5527,
76.2768)**

Conversions

Conversions Part 1

Format	Color
Hex	C7F2D7
RGB	199, 242, 215
RGB Percent	78%, 95%, 84%
CMY	0.2196, 0.0510, 0.1569
CMYK	0.18, 0.00, 0.11, 0.05
HSL	142°, 62%, 86%
HSV	142°, 18%, 95%
XYZ	67.5711, 80.5527, 76.2768
YIQ	226.0650, -16.9610, -17.5130

Conversions

Conversions Part 2

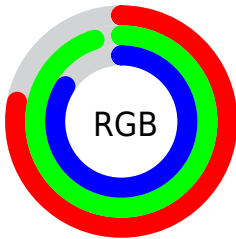
Format	Color
RYB	199, 230, 242
Decimal	13103831
CIELab	91.93, -18.98, 8.46
CIElCh	92, 20.778, 155.962
Yxy	80.5527, 0.3011, 0.3590
Android (android.graphics.Color)	4291293911 (0xFFC7F2D7)
YUV	226.0650, -5.4550, -23.7360
Hunter-Lab	89.7512, -22.6769, 12.4370

Details

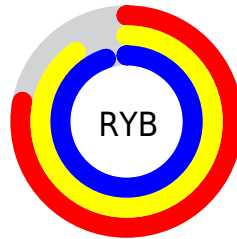
The XYZ color **67.5711, 80.5527, 76.2768** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.7718, 65.2171, 80.8133**, and the grayscale version is **72.3846, 76.1542, 82.9320**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.5811, 43.6756, 39.8126** is the 20% darker color. If you saturate the color by 10%, you get **59.7909, 76.7594, 66.1892**, and if you desaturate by 10%, it is **76.5583, 84.9518, 87.3712**.

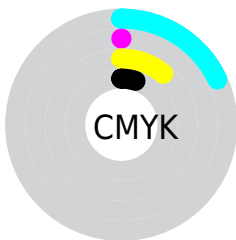
Distribution



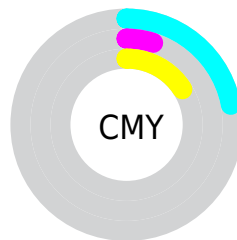
- Red (78%)
- Green (95%)
- Blue (84%)



- Red (78%)
- Yellow (90%)
- Blue (95%)



- Cyan (18%)
- Magenta (0%)
- Yellow (11%)
- Black (5%)



- Cyan (22%)
- Magenta (5%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.5711, 80.5527, 76.2768 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 67.5711, 80.5527, 76.2768 by changing the saturation by 10% instead.

67.5711, 80.5527,
76.2768

67.5711, 80.5527,
76.2768

441.3755,
496.7935, 501.6667

49.8213, 60.1733,
56.1515

114.7836,
134.1425, 129.8818

35.4886, 43.5583,
39.9196

144.9771,
168.1217, 164.1985

24.2078, 30.3234,
27.1625

180.0491,
207.4029, 204.0828

15.6134, 20.0842,
17.4618

220.3651,
252.3706, 249.9533

9.3401, 12.4563,
10.3989

266.2903,
303.4091, 302.2283

5.0226, 7.0552,
5.5552

318.1903,

2.2954, 3.4967,

360.9028, 361.3265

2.5122

376.4302,
425.2362, 427.6665

■ 0.7923, 1.3962,
0.8466

■ 0.0000, 0.2139,
0.0000

■ 67.5711, 80.5527,
76.2768

■ 67.5711, 80.5527,
76.2768

■ 59.7909, 76.7594,
66.1892

■ 76.5583, 84.9518,
87.3712

■ 53.1579, 73.5348,
57.0748

■ 86.7954, 89.9715,
99.4940

■ 47.6172, 70.8535,
48.9060

■ 91.0437, 91.9873,
107.5646

■ 43.1066, 68.6841,
41.6518

■ 39.5571, 66.9917,
35.2795

■ 36.8911, 65.7368,
29.7544

■ 35.0177, 64.8735,
25.0392

■ 33.8162, 64.3401,
21.0928

■ 33.6009, 64.2462,
20.3119

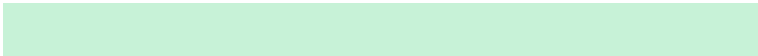
Harmonies

Analogous

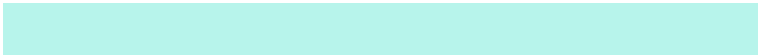
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.6953, 80.5527, 66.0127



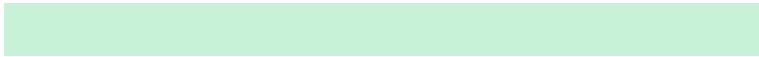
67.5711, 80.5527, 76.2768



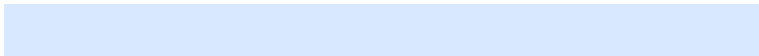
66.8065, 80.5527, 90.7953

Triad

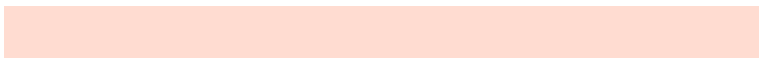
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.5711, 80.5527, 76.2768



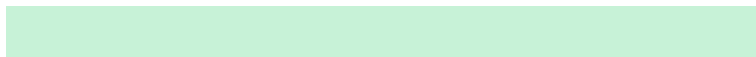
77.6334, 80.5527, 120.2938



85.1699, 80.5527, 71.5617

Complementary

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



67.5711, 80.5527, 76.2768



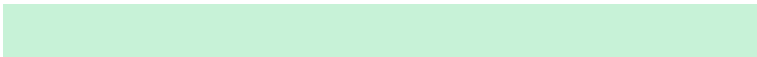
70.7718, 65.2171, 80.8133

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.



87.2258, 80.5527, 84.6918



67.5711, 80.5527, 76.2768



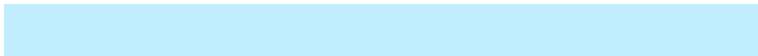
82.7466, 80.5527, 113.7019

Square

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



67.5711, 80.5527, 76.2768



72.4598, 80.5527, 117.3687



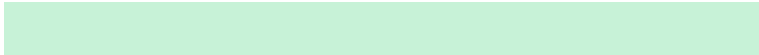
86.3190, 80.5527, 100.2282



80.8181, 80.5527, 63.5198

Rectangle

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



67.5711, 80.5527, 76.2768



67.7051, 80.5527, 101.2087



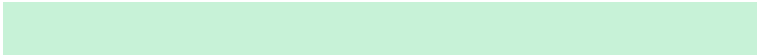
86.3190, 80.5527, 100.2282



86.1614, 80.5527, 75.4651

Sweetspot

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



67.5733, 80.5561, 76.2786



89.2514, 97.1565, 102.0397



73.5012, 83.8381, 66.3424



18.9352, 20.7130, 21.6394



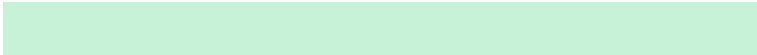
0.0000, 0.0000, 0.0000



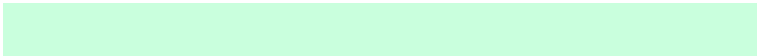
20.3446, 21.4041, 23.3091

Same Dimension

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



67.5733, 80.5561, 76.2786



73.0696, 89.2404, 82.0421



70.4871, 81.7216, 91.6225



15.8091, 17.7537, 18.0176



18.1104, 34.5362, 11.2303



1.5532, 2.8917, 1.1796

Inverse Universe

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



70.7718, 65.2171, 80.8133



77.2381, 69.2460, 87.9498



68.0311, 64.1209, 66.3814



16.1903, 15.9258, 18.5585



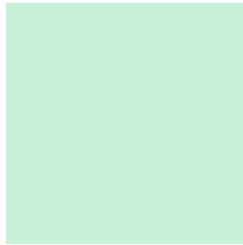
22.7827, 11.3855, 17.3039



1.9432, 0.9663, 1.6920

Previews

White Background



This preview shows how the XYZ color 67.5711, 80.5527, 76.2768 looks on a white background.

Color Contrast Check

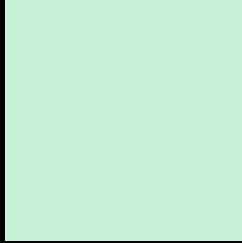
Large Text (above 18pt) WCAG AA × Fail

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 67.5711, 80.5527, 76.2768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

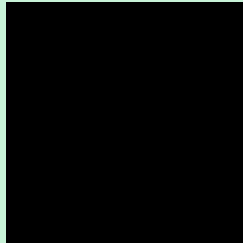
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

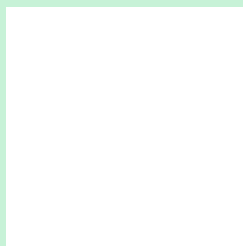
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.5711, 80.5527, 76.2768

Background



This preview shows how black text looks on a background with the XYZ color 67.5711, 80.5527, 76.2768.

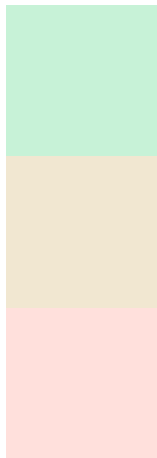


This preview shows how white text looks on a background with the XYZ color 67.5711, 80.5527,

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

67.5711, 80.5527, 76.2768

Protanopia

76.3602, 80.4560, 71.8266

Deuteranopia

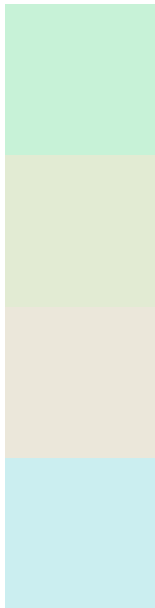
80.8139, 79.7386, 78.8419



Tritanopia

73.4991, 80.3327, 106.2397

Trichromacy



Original Color

67.5711, 80.5527, 76.2768

Protanomaly

72.8302, 80.2886, 73.2867

Deuteranomaly

75.4918, 79.8760, 77.7684

Tritanomaly

70.9313, 80.1369, 94.1676

Monochromacy



Original Color

67.5711, 80.5527, 76.2768

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

70.3603, 77.5861, 80.3745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.5711, 80.5527, 76.2768 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(199, 242, 215)` looks like.

```
.text, #text, p{  
    color:rgb(199, 242, 215)  
}
```

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(199, 242, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 242, 215) }
```

Border

The CSS property to change the border of an element to XYZ 67.5711, 80.5527, 76.2768 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(199, 242, 215) }
```


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

```
.border{ border-color:rgb(199, 242, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 242, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 242, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 242, 215);  
box-shadow:4px 4px 4px 4px rgb(199, 242,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 67.5711, 80.5527, 76.2768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 242, 215) }
```

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

```
.background{ background-color: rgb(199,  
242, 215) }
```

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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