

Converting Colors

XYZ(67.4996, 80.7782, 82.7049)

Have a look what the booklet for
XYZ(67.4996, 80.7782, 82.7049)
contains.

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Color

**XYZ(67.4975, 80.8205,
82.5634)**

Conversions

Conversions Part 1

Format	Color
Hex	C1F3E0
RGB	193, 243, 224
RGB Percent	76%, 95%, 88%
CMY	0.2431, 0.0470, 0.1216
CMYK	0.21, 0.00, 0.08, 0.05
HSL	157°, 68%, 85%
HSV	157°, 21%, 95%
XYZ	67.4975, 80.8205, 82.5634
YIQ	225.8840, -23.7010, -16.5090

Conversions

Conversions Part 2

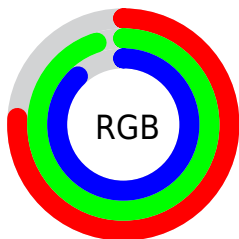
Format	Color
RYB	193, 224, 243
Decimal	12710880
CIELab	92.05, -19.65, 3.92
CIELCh	92, 20.040, 168.725
Yxy	80.8205, 0.2923, 0.3501
Android (android.graphics.Color)	4290900960 (0xFFC1F3E0)
YUV	225.8840, -0.9288, -28.8393
Hunter-Lab	89.9002, -23.3068, 8.4789

Details

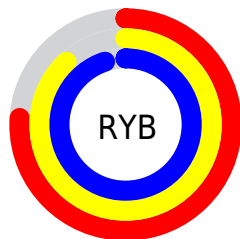
The XYZ color **67.4975, 80.8205, 82.5634** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.9187, 61.9502, 70.6689**, and the grayscale version is **72.2256, 75.9869, 82.7498**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **35.5792, 43.8942, 44.1333** is the 20% darker color. If you saturate the color by 10%, you get **60.5861, 77.4006, 75.8794**, and if you desaturate by 10%, it is **75.4993, 84.7991, 89.6571**.

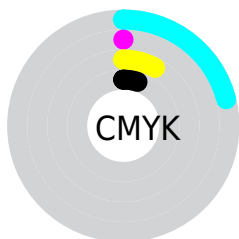
Distribution



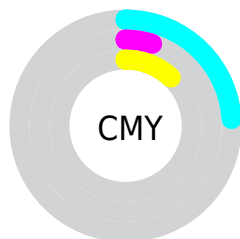
- Red (76%)
- Green (95%)
- Blue (88%)



- Red (76%)
- Yellow (88%)
- Blue (95%)



- Cyan (21%)
- Magenta (0%)
- Yellow (8%)
- Black (5%)



- Cyan (24%)
- Magenta (5%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.4975, 80.8205, 82.5634 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 67.4975, 80.8205, 82.5634 by changing the saturation by 10% instead.

67.4975, 80.8205,
82.5634

67.4975, 80.8205,
82.5634

441.1183,
497.6937, 523.4631

49.7612, 60.3938,
61.2915

114.6789,
134.5187, 138.8076

35.4407, 43.7361,
44.0284

144.8546,
168.5590, 174.6169

24.1707, 30.4631,
30.3555

179.9076,
207.9059, 216.1092

15.5857, 20.1904,
19.8542

220.2032,
252.9438, 263.7029

9.3204, 12.5335,
12.1061

266.1067,
304.0571, 317.8166

5.0096, 7.1081,
6.6926

317.9835,

2.2877, 3.5298,

361.6303, 378.8689

3.1951

376.1989,
426.0477, 447.2782

0.7884, 1.4142,
1.1951

0.0000, 0.2271,
0.0000

67.4975, 80.8205,
82.5634

67.4975, 80.8205,
82.5634

60.5861, 77.4006,
75.8794

75.4993, 84.7991,
89.6571

54.7076, 74.5032,
69.5915

84.6321, 89.3505,
97.1626

49.8093, 72.1035,
63.6935

90.8165, 92.3739,
104.8961

45.8311, 70.1706,
58.1765

91.3421, 92.5842,
107.6640

■ 42.7058, 68.6701,
53.0315

■ 40.3566, 67.5625,
48.2486

■ 38.6920, 66.8007,
43.8171

■ 37.6098, 66.3273,
39.9506

Harmonies

Analogous

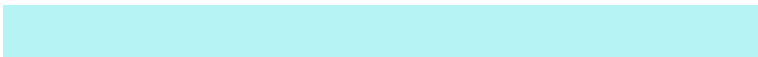
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.6035, 80.8205, 70.5641



67.4975, 80.8205, 82.5634



67.8039, 80.8205, 97.4349

Triad

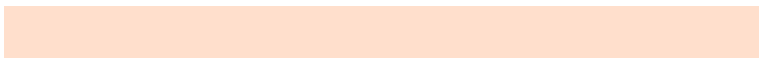
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.4975, 80.8205, 82.5634



80.0449, 80.8205, 117.7281



83.5461, 80.8205, 68.3358

Complementary

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



67.4975, 80.8205, 82.5634



67.9187, 61.9502, 70.6689

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.



86.5964, 80.8205, 79.1943



67.4975, 80.8205, 82.5634



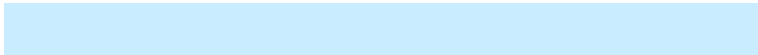
84.5134, 80.8205, 108.0942

Square

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



67.4975, 80.8205, 82.5634



74.8950, 80.8205, 118.8915



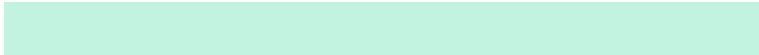
86.9581, 80.8205, 93.6697



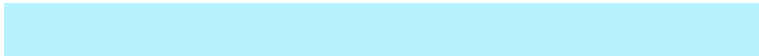
78.7725, 80.8205, 62.9842

Rectangle

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



67.4975, 80.8205, 82.5634



69.3383, 80.8205, 106.9878



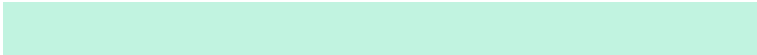
86.9581, 80.8205, 93.6697



84.8160, 80.8205, 71.4029

Sweetspot

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



67.4998, 80.8239, 82.5652



88.7212, 96.8439, 103.7908



68.8784, 81.9769, 62.6462



18.8486, 20.6581, 22.0986



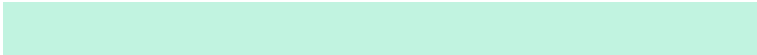
0.0000, 0.0000, 0.0000



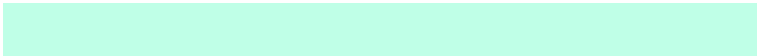
20.3446, 21.4041, 23.3091

Same Dimension

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



67.4998, 80.8239, 82.5652



71.7004, 88.3855, 88.7138



68.5051, 78.4768, 96.3349



16.7142, 18.6448, 19.7791



20.7084, 36.4282, 22.2819



1.8700, 3.2217, 2.2214

Inverse Universe

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



67.9187, 61.9502, 70.6689



72.2526, 63.5616, 73.0729



66.9755, 63.6773, 59.2143



16.7597, 16.5867, 18.4811



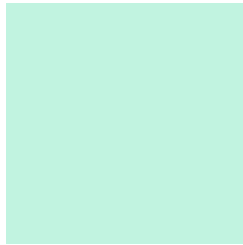
21.4153, 10.9096, 6.8955



1.9306, 0.9782, 0.8608

Previews

White Background



This preview shows how the XYZ color 67.4975, 80.8205, 82.5634 looks on a white background.

Color Contrast Check

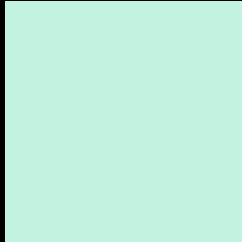
Large Text (above 18pt) WCAG AA × Fail

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 67.4975, 80.8205, 82.5634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

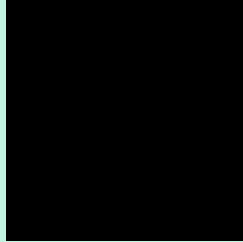
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

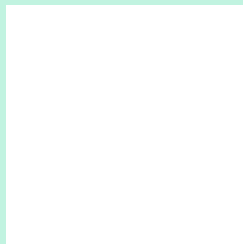
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.4975, 80.8205, 82.5634

Background



This preview shows how black text looks on a background with the XYZ color 67.4975, 80.8205, 82.5634.



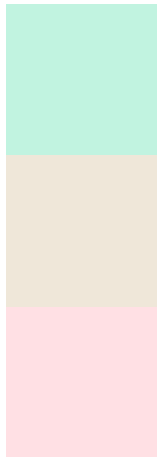
This preview shows how white text looks on a background with the XYZ color 67.4975, 80.8205,

82.5634.

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

67.4975, 80.8205, 82.5634

Protanopia

76.6969, 80.5123, 77.1437

Deuteranopia

81.8992, 80.1727, 84.5571



Tritanopia

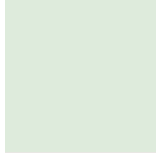
72.9817, 80.9256, 106.3814

Trichromacy



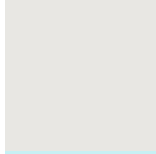
Original Color

67.4975, 80.8205, 82.5634



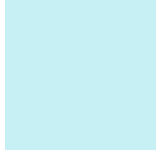
Protanomaly

72.7508, 80.1136, 79.3392



Deuteranomaly

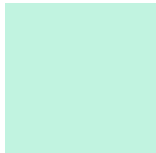
75.7198, 79.8537, 84.0955



Tritanomaly

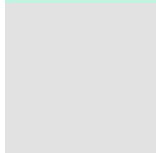
71.0424, 80.9939, 97.4770

Monochromacy



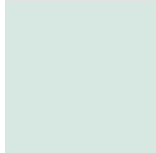
Original Color

67.4975, 80.8205, 82.5634



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

70.1788, 77.4456, 82.4838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4975, 80.8205, 82.5634 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(193, 243, 224)` looks like.

```
.text, #text, p{  
    color:rgb(193, 243, 224)  
}
```

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(193, 243, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 243, 224) }
```

Border

The CSS property to change the border of an element to XYZ 67.4975, 80.8205, 82.5634 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(193, 243, 224) }
```


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

```
.border{ border-color:rgb(193, 243, 224) }
```

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

Here you see how a box with a 4 pixel rgb(193, 243, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 243, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 243, 224);  
box-shadow:4px 4px 4px 4px rgb(193, 243,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4975, 80.8205, 82.5634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 243, 224) }
```

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

```
.background{ background-color: rgb(193,  
243, 224) }
```

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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