

Converting Colors

XYZ(75.8231, 100.0000,
84.7149)

Have a look what the booklet for
XYZ(75.8231, 100.0000, 84.7149)
contains.

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Color

**XYZ(69.4383, 87.3587,
82.3094)**

Conversions

Conversions Part 1

Format	Color
Hex	BBFFDE
RGB	187, 255, 222
RGB Percent	73%, 100%, 87%
CMY	0.2667, 0.0000, 0.1294
CMYK	0.27, 0.00, 0.13, 0.00
HSL	151°, 100%, 87%
HSV	151°, 27%, 100%
XYZ	69.4383, 87.3587, 82.3094
YIQ	230.9060, -29.9350, -24.6790

Conversions

Conversions Part 2

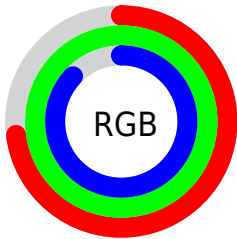
Format	Color
RYB	187, 232, 255
Decimal	12320734
CIELab	94.89, -27.65, 9.00
CIELCh	95, 29.080, 161.973
Yxy	87.3587, 0.2904, 0.3654
Android (android.graphics.Color)	4290510814 (0xFFBBFFDE)
YUV	230.9060, -4.3907, -38.5056
Hunter-Lab	93.4659, -30.9529, 13.2132

Details

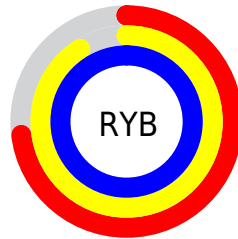
The XYZ color **69.4383, 87.3587, 82.3094** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.9290, 61.9688, 75.8802**, and the grayscale version is **75.9330, 79.8874, 86.9974**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **36.6849, 48.0837, 43.9068** is the 20% darker color. If you saturate the color by 10%, you get **62.1458, 83.7839, 73.6262**, and if you desaturate by 10%, it is **77.9618, 91.5540, 91.6886**.

Distribution



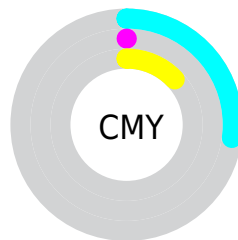
- Red (73%)
- Green (100%)
- Blue (87%)



- Red (73%)
- Yellow (91%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.4383, 87.3587, 82.3094 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 69.4383, 87.3587, 82.3094 by changing the saturation by 10% instead.


 69.4383, 87.3587,
82.3094

 69.4383, 87.3587,
82.3094


447.8725,
519.4008, 522.5926

 51.3467, 65.7921,
61.0833


 117.4380,
143.6640, 138.4484

 36.7068, 48.1036,
43.8614


148.0768,
179.1715, 174.1983

 25.1532, 33.9090,
30.2252

183.6288,
220.0947, 215.6266

 16.3205, 22.8237,
19.7561

224.4592,
266.8181, 263.1519

 9.8435, 14.4634,
12.0355

270.9334,
319.7260, 317.1925

 5.3568, 8.4436,
6.6450

323.4168,

 2.4950, 4.3801,

379.2028, 378.1672

3.1661

382.2747,
445.6330, 446.4944

■ 0.8927, 1.8884,
1.1800

■ 0.0000, 0.5414,
0.0000

■ 69.4383, 87.3587,
82.3094

■ 69.4383, 87.3587,
82.3094

■ 62.1458, 83.7839,
73.6262

■ 77.9618, 91.5540,
91.6886

■ 56.0207, 80.7972,
65.6181

■ 87.7707, 96.3975,
101.7751

■ 50.9972, 78.3649,
58.2697

■ 95.0500, 100.0000,
108.9000

■ 47.0014, 76.4493,
51.5628

■ 43.9500, 75.0078,
45.4784

■ 41.7456, 73.9905,
39.9965

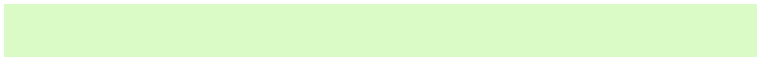
■ 40.2664, 73.3349,
35.0949

■ 39.8740, 73.1656,
33.5839

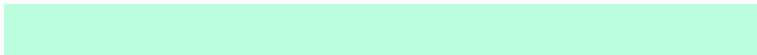
Harmonies

Analogous

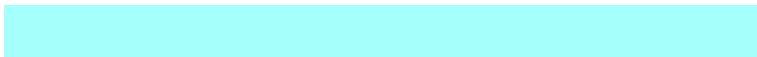
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.3032, 87.3587, 66.3617



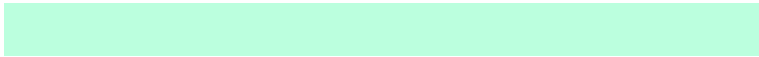
69.4383, 87.3587, 82.3094



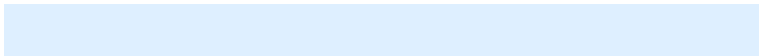
69.0712, 87.3587, 104.4100

Triad

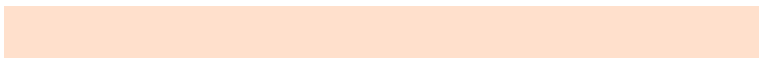
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.4383, 87.3587, 82.3094



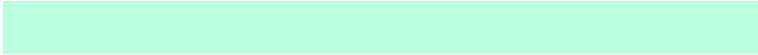
86.2156, 87.3587, 144.2086



94.8164, 87.3587, 68.9441

Complementary

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



69.4383, 87.3587, 82.3094



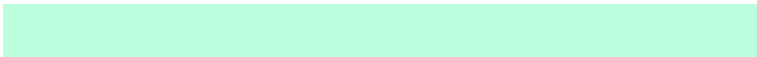
71.9290, 61.9688, 75.8802

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.



98.7571, 87.3587, 86.3958



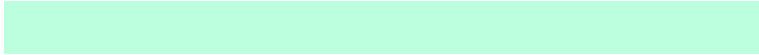
69.4383, 87.3587, 82.3094



93.5853, 87.3587, 131.1737

Square

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



69.4383, 87.3587, 82.3094



78.4296, 87.3587, 142.6486



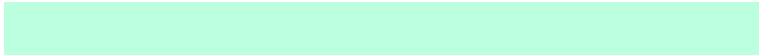
98.2928, 87.3587, 109.1926



87.8106, 87.3587, 59.5279

Rectangle

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



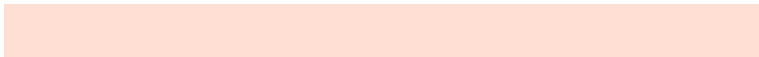
69.4383, 87.3587, 82.3094



70.8279, 87.3587, 120.0024



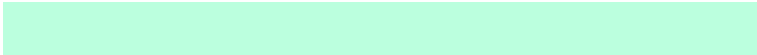
98.2928, 87.3587, 109.1926



96.5628, 87.3587, 73.9372

Sweetspot

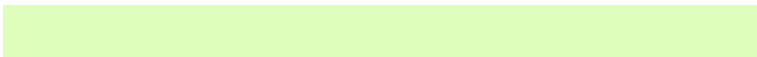
The Sweet Spot groups the original color and five complimentary colors.



69.4391, 87.3591, 82.3108



86.3858, 95.7129, 100.3879



74.5490, 90.4803, 60.5501



18.1619, 20.3243, 21.1556



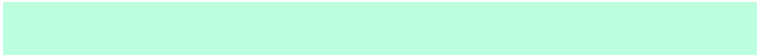
0.0000, 0.0000, 0.0000



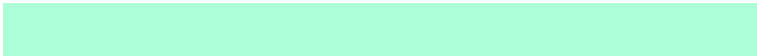
20.3446, 21.4041, 23.3091

Same Dimension

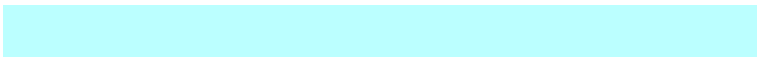
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.4391, 87.3591, 82.3108



65.3996, 85.3769, 77.5931



74.3040, 89.3050, 107.9291



18.1619, 20.3243, 21.1556



20.9108, 38.2609, 17.9476



2.0912, 3.7474, 2.0383

Inverse Universe

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



71.9290, 61.9688, 75.8802



68.2705, 56.1048, 70.1810



67.9806, 60.3894, 55.0882



18.3767, 18.1340, 20.6007



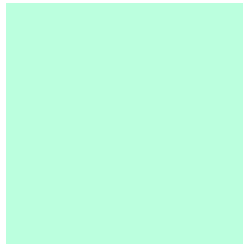
23.5161, 11.8958, 11.3684



2.3446, 1.1802, 1.3962

Previews

White Background



This preview shows how the XYZ color 69.4383, 87.3587, 82.3094 looks on a white background.

Color Contrast Check

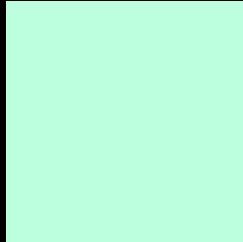
Large Text (above 18pt) WCAG AA × Fail

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 69.4383, 87.3587, 82.3094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

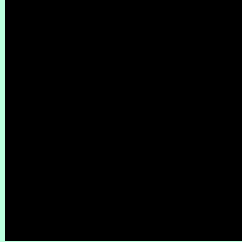
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

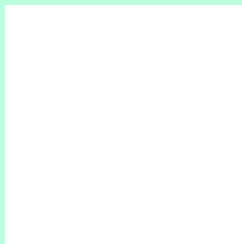
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.4383, 87.3587, 82.3094

Background



This preview shows how black text looks on a background with the XYZ color 69.4383, 87.3587, 82.3094.



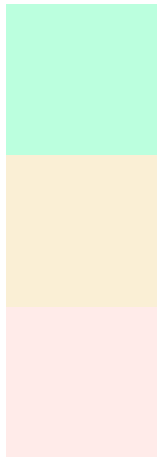
This preview shows how white text looks on a background with the XYZ color 69.4383, 87.3587,

82.3094.

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

69.4383, 87.3587, 82.3094

Protanopia

82.3011, 86.8611, 75.3789

Deuteranopia

85.6563, 86.5599, 89.2839



Tritanopia

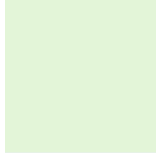
79.3141, 86.8268, 107.1867

Trichromacy



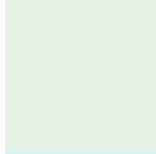
Original Color

69.4383, 87.3587, 82.3094



Protanomaly

76.7256, 86.5936, 77.6361



Deuteranomaly

78.5281, 85.9844, 86.5865



Tritanomaly

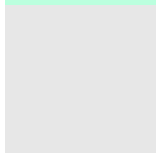
75.4772, 86.8713, 97.5838

Monochromacy



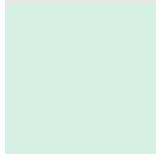
Original Color

69.4383, 87.3587, 82.3094



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.1880, 82.3687, 85.4401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.4383, 87.3587, 82.3094 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(187, 255, 222)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 222)  
}
```

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(187, 255, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 222) }
```

Border

The CSS property to change the border of an element to XYZ 69.4383, 87.3587, 82.3094 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(187, 255, 222) }
```


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

```
.border{ border-color:rgb(187, 255, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 255, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 222);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 69.4383, 87.3587, 82.3094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 255, 222) }
```

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

```
.background{ background-color: rgb(187,  
255, 222) }
```

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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