

Converting Colors

XYZ(69.7269, 87.4850, 83.3387)

Have a look what the booklet for
XYZ(69.7269, 87.4850, 83.3387)
contains.

XYZ(69.5728, 87.4125, 83.0175)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(69.5728, 87.4125,
83.0175)**

Conversions

Conversions Part 1

Format	Color
Hex	BBFFDF
RGB	187, 255, 223
RGB Percent	73%, 100%, 87%
CMY	0.2667, 0.0000, 0.1255
CMYK	0.27, 0.00, 0.13, 0.00
HSL	152°, 100%, 87%
HSV	152°, 27%, 100%
XYZ	69.5728, 87.4125, 83.0175
YIQ	231.0200, -30.2560, -24.3680

Conversions

Conversions Part 2

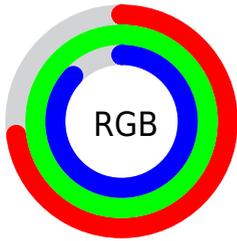
Format	Color
RYB	187, 231, 255
Decimal	12320735
CIELab	94.91, -27.46, 8.52
CIELCh	95, 28.751, 162.767
Yxy	87.4125, 0.2899, 0.3642
Android (android.graphics.Color)	4290510815 (0xFFBBFFDF)
YUV	231.0200, -3.9539, -38.6055
Hunter-Lab	93.4947, -30.7872, 12.8004

Details

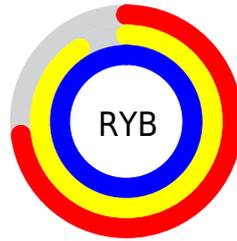
The XYZ color **69.5728, 87.4125, 83.0175** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.7970, 61.9161, 75.1848**, and the grayscale version is **76.0149, 79.9736, 87.0912**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **36.7777, 48.1209, 44.3957** is the 20% darker color. If you saturate the color by 10%, you get **62.3175, 83.8526, 74.5303**, and if you desaturate by 10%, it is **78.0520, 91.5901, 92.1634**.

Distribution



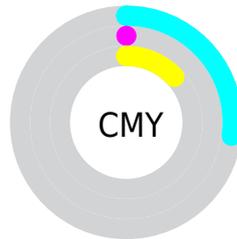
- Red (73%)
- Green (100%)
- Blue (87%)



- 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 69.5728, 87.4125, 83.0175 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 69.5728, 87.4125, 83.0175 by changing the saturation by 10% instead.

 69.5728, 87.4125,
83.0175

 69.5728, 87.4125,
83.0175

448.3384,
519.5774, 525.0174

 51.4567, 65.8366,
61.6639

 117.6289,
143.7390, 139.4494

 36.7947, 48.1398,
44.3271

148.2996,
179.2583, 175.3648

 25.2215, 33.9376,
30.5887

183.8859,
220.1943, 216.9712

 16.3718, 22.8457,
20.0300

224.7532,
266.9313, 264.6872

 9.8801, 14.4796,
12.2326

271.2667,
319.8537, 318.9312

 5.3812, 8.4550,
6.7778

323.7918,

 2.5097, 4.3874,

379.3459, 380.1219

3.2472

382.6940,
445.7924, 448.6778

■ 0.9001, 1.8926,
1.2222

■ 0.0000, 0.5439,
0.0000

■ 69.5728, 87.4125,
83.0175

■ 69.5728, 87.4125,
83.0175

■ 62.3175, 83.8526,
74.5303

■ 78.0520, 91.5901,
92.1634

■ 56.2228, 80.8781,
66.6823

■ 87.8093, 96.4130,
101.9782

■ 51.2231, 78.4553,
59.4591

95.0500, 100.0000,
108.9000

■ 47.2447, 76.5467,
52.8442

■ 44.2048, 75.1097,
46.8200

■ 42.0060, 74.0946,
41.3677

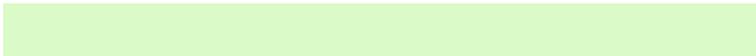
■ 40.5270, 73.4391,
36.4670

■ 40.1334, 73.2694,
34.9502

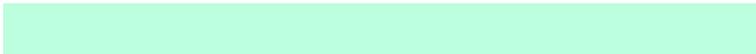
Harmonies

Analogous

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



73.3146, 87.4125, 67.0127



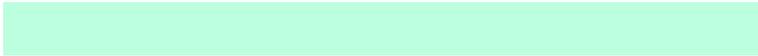
69.5728, 87.4125, 83.0175



69.3046, 87.4125, 104.9831

Triad

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



69.5728, 87.4125, 83.0175



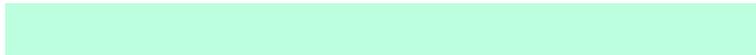
86.4398, 87.4125, 143.4844



94.5801, 87.4125, 68.9021

Complementary

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



69.5728, 87.4125, 83.0175



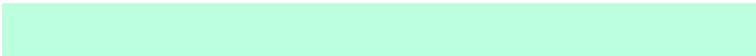
71.7970, 61.9161, 75.1848

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.



98.5762, 87.4125, 86.0020



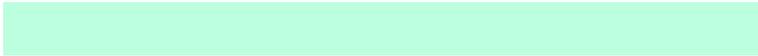
69.5728, 87.4125, 83.0175



93.6826, 87.4125, 130.2989

Square

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



69.5728, 87.4125, 83.0175



78.7209, 87.4125, 142.3492



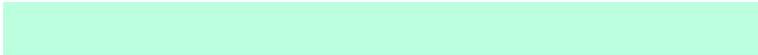
98.2378, 87.4125, 108.4701



87.6033, 87.4125, 59.7813

Rectangle

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



69.5728, 87.4125, 83.0175



71.1052, 87.4125, 120.3538



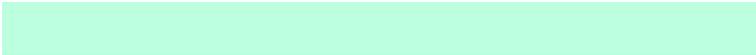
98.2378, 87.4125, 108.4701



96.3355, 87.4125, 73.7822

Sweetspot

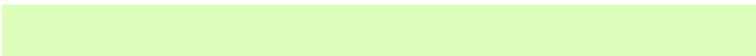
The Sweet Spot groups the original color and five complimentary colors.



69.5736, 87.4129, 83.0189



86.4316, 95.7312, 100.6295



74.2051, 90.3030, 60.5341



18.1735, 20.3289, 21.2164



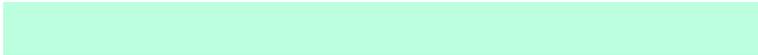
0.0000, 0.0000, 0.0000



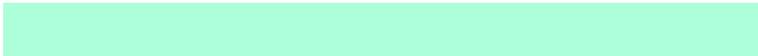
20.3446, 21.4041, 23.3091

Same Dimension

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



69.5736, 87.4129, 83.0189



65.5547, 85.4389, 78.4103



73.9436, 88.5841, 107.8089



18.1735, 20.3289, 21.2164



21.0467, 38.3153, 18.6633



2.1045, 3.7527, 2.1080

Inverse Universe

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



71.7970, 61.9161, 75.1848



68.1187, 56.0441, 69.3817



68.2221, 60.8723, 55.1688



18.3652, 18.1294, 20.5402



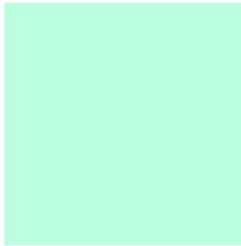
23.3941, 11.8469, 10.7259



2.3325, 1.1754, 1.3322

Previews

White Background



This preview shows how the XYZ color 69.5728, 87.4125, 83.0175 looks on a white background.

Color Contrast Check

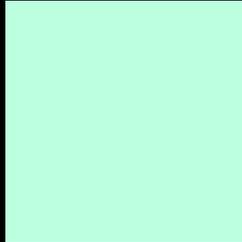
Large Text (above 18pt) WCAG AA × Fail

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 69.5728, 87.4125, 83.0175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

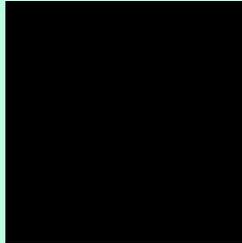
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.5728, 87.4125, 83.0175

Background



This preview shows how black text looks on a background with the XYZ color 69.5728, 87.4125, 83.0175.



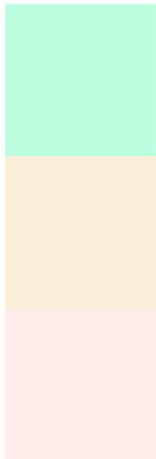
This preview shows how white text looks on a background with the XYZ color 69.5728, 87.4125,

83.0175.

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

69.5728, 87.4125, 83.0175

Protanopia

82.4284, 86.9120, 76.0496

Deuteranopia

85.6563, 86.5599, 89.2839



Tritanopia

79.3141, 86.8268, 107.1867

Trichromacy



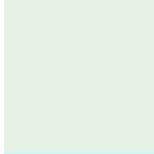
Original Color

69.5728, 87.4125, 83.0175



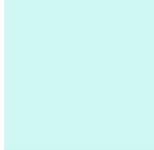
Protanomaly

76.8553, 86.6455, 78.3192



Deuteranomaly

78.5281, 85.9844, 86.5865



Tritanomaly

75.4772, 86.8713, 97.5838

Monochromacy



Original Color

69.5728, 87.4125, 83.0175



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 69.5728, 87.4125, 83.0175 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, 223)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 223)  
}
```

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, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 223) }
```

Border

The CSS property to change the border of an element to XYZ 69.5728, 87.4125, 83.0175 is called "border". The border property can be set on classes, ids or directly on the HTML element.

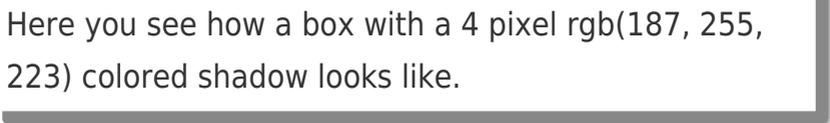
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 255, 223) }
```

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

```
.border{ border-color:rgb(187, 255, 223) }
```

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, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 255, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 255, 223); box-shadow:4px 4px 4px 4px rgb(187, 255, 223) }
```

Background

The CSS property to change the background color of an element to XYZ 69.5728, 87.4125, 83.0175 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, 223) }
```

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

```
.background{ background-color: rgb(187,  
255, 223) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor