

Converting Colors

XYZ(70.0651, 82.8584,
100.6538)

Have a look what the booklet for
XYZ(70.0651, 82.8584, 100.6538)
contains.

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Color

**XYZ(69.9344, 82.5850,
100.2503)**

Conversions

Conversions Part 1

Format	Color
Hex	BBF5F7
RGB	187, 245, 247
RGB Percent	73%, 96%, 97%
CMY	0.2667, 0.0392, 0.0314
CMYK	0.24, 0.01, 0.00, 0.03
HSL	182°, 79%, 85%
HSV	182°, 24%, 97%
XYZ	69.9344, 82.5850, 100.2503
YIQ	227.8860, -35.2100, -11.6740

Conversions

Conversions Part 2

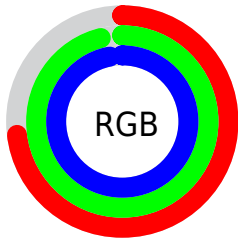
Format	Color
R_{YB}	187, 216, 247
Decimal	12318199
CIE Lab	92.83, -17.71, -6.93
CIE LCh	93, 19.019, 201.356
Yxy	82.5850, 0.2767, 0.3267
Android (android.graphics.Color)	4290508279 (0xFFBBF5F7)
YUV	227.8860, 9.4232, -35.8570
Hunter-Lab	90.8763, -21.6677, -1.7924

Details

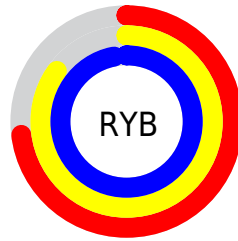
The XYZ color **69.9344, 82.5850, 100.2503** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.5259, 59.7575, 55.0960**, and the grayscale version is **73.6131, 77.4468, 84.3395**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **37.1173, 45.0623, 56.0318** is the 20% darker color. If you saturate the color by 10%, you get **64.1563, 79.2400, 99.9105**, and if you desaturate by 10%, it is **76.7577, 86.4747, 100.6428**.

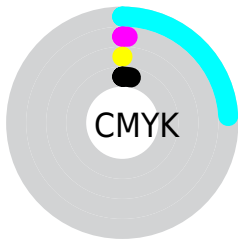
Distribution



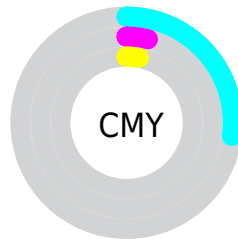
- Red (73%)
- Green (96%)
- Blue (97%)



- Red (73%)
- Yellow (85%)
- Blue (97%)



- Cyan (24%)
- Magenta (1%)
- Yellow (0%)
- Black (3%)



- Cyan (27%)
- Magenta (4%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9344, 82.5850, 100.2503 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 69.9344, 82.5850, 100.2503 by changing the saturation by 10% instead.

69.9344, 82.5850,
100.2503

69.9344, 82.5850,
100.2503

449.5896,
503.6024, 582.2484

51.7525, 61.8479,
75.8915

118.1420,
136.9941, 163.5560

37.0313, 44.9098,
55.8375

148.8983,
171.4348, 203.3400

25.4055, 31.3864,
39.6695

184.5769,
211.2121, 249.1028

16.5098, 20.8932,
26.9691

225.5429,
256.7105, 301.2630

9.9787, 13.0460,
17.3178

272.1619,
308.3144, 360.2392

5.4470, 7.4602,
10.2970

324.7991,

2.5493, 3.7515,

366.4080, 426.4497

5.4881

383.8199,
431.3759, 500.3133

■ 0.9202, 1.5356,
2.4727

■ 0.0000, 0.3136,
0.8256

■ 69.9344, 82.5850,
100.2503

■ 69.9344, 82.5850,
100.2503

■ 64.1563, 79.2400,
99.9105

■ 76.7577, 86.4747,
100.6428

■ 59.3629, 76.4021,
99.6154


■ 84.6684, 90.9245,
101.0848


■ 55.4989, 74.0450,
99.3641


■ 91.4338, 94.7855,
101.4735


■ 52.5002, 72.1356,
99.1536


■ 91.6864, 95.2907,
101.5577


 50.2949, 70.6368,
98.9806


 91.9401, 95.7982,
101.6422


 48.7993, 69.5056,
98.8410


 92.1949, 96.3078,
101.7272

 47.9112, 68.6892,
98.7302

 92.4509, 96.8197,
101.8125

 47.5911, 68.3201,
98.6759

 92.7079, 97.3338,
101.8982

 92.9661, 97.8502,
101.9842

Harmonies

Analogous

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



69.4290, 82.5850, 85.8740



69.9344, 82.5850, 100.2503



72.6822, 82.5850, 113.0120

Triad

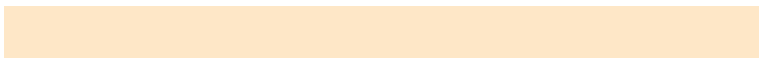
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.9344, 82.5850, 100.2503



86.1900, 82.5850, 108.0994



79.9382, 82.5850, 65.5073

Complementary

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



69.9344, 82.5850, 100.2503



65.5259, 59.7575, 55.0960

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.



84.6088, 82.5850, 70.2113



69.9344, 82.5850, 100.2503



88.3168, 82.5850, 94.0933

Square

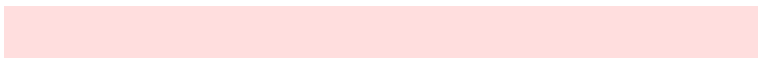
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.9344, 82.5850, 100.2503



82.0229, 82.5850, 117.8656



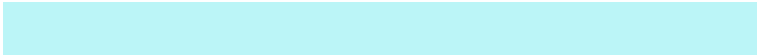
87.7262, 82.5850, 80.3268



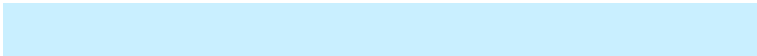
75.0689, 82.5850, 66.7841

Rectangle

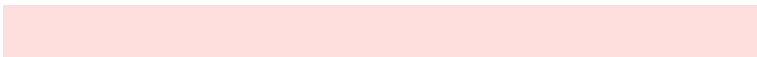
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.9344, 82.5850, 100.2503



75.4819, 82.5850, 118.3966



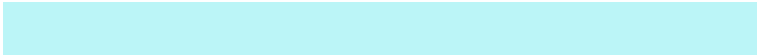
87.7262, 82.5850, 80.3268



81.5864, 82.5850, 66.4217

Sweetspot

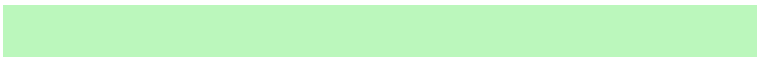
The Sweet Spot groups the original color and five complimentary colors.



69.9368, 82.5883, 100.2522



88.5959, 96.3919, 108.5437



62.8329, 80.7187, 59.8471



18.8501, 20.5683, 23.2265



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

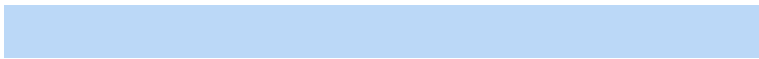
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.9368, 82.5883, 100.2522



72.0976, 87.0094, 107.6023



61.8394, 66.3936, 97.5530



16.9467, 18.6576, 21.2507



25.1909, 36.1756, 52.1929



2.2286, 3.2086, 4.5921

Inverse Universe

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



72.6115, 61.9092, 94.5126



75.4302, 61.3906, 100.4176



72.4003, 73.5064, 57.3875



17.1884, 16.7582, 20.7387



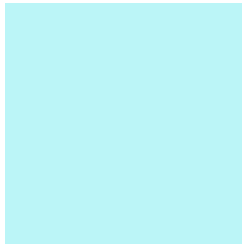
28.5197, 13.7513, 44.3067



2.5140, 1.2115, 3.9329

Previews

White Background



This preview shows how the XYZ color 69.9344, 82.5850, 100.2503 looks on a white background.

Color Contrast Check

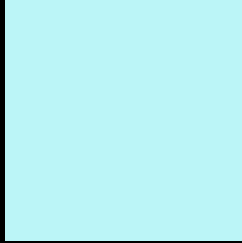
Large Text (above 18pt) WCAG AA × Fail

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 69.9344, 82.5850, 100.2503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

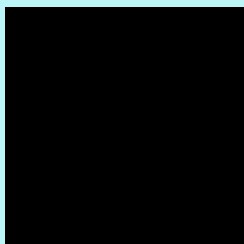
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.9344, 82.5850, 100.2503

Background



This preview shows how black text looks on a background with the XYZ color 69.9344, 82.5850, 100.2503.

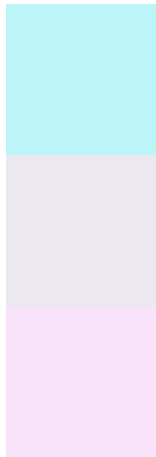


This preview shows how white text looks on a background with the XYZ color 69.9344, 82.5850,

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

69.9344, 82.5850, 100.2503

Protanopia

79.1769, 81.8374, 94.0612

Deuteranopia

83.9486, 82.0429, 102.6781



Tritanopia

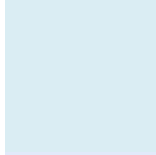
73.8387, 82.2367, 106.5893

Trichromacy



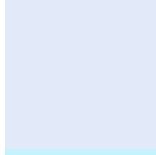
Original Color

69.9344, 82.5850, 100.2503



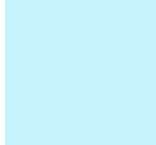
Protanomaly

75.3753, 81.9449, 96.6383



Deuteranomaly

78.0422, 81.9165, 102.1407



Tritanomaly

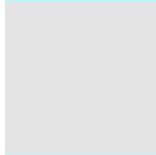
72.3488, 82.4029, 104.1876

Monochromacy



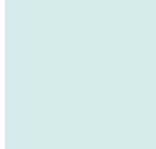
Original Color

69.9344, 82.5850, 100.2503



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

71.8588, 78.9899, 90.0565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9344, 82.5850, 100.2503 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, 245, 247)` looks like.

```
.text, #text, p{  
    color:rgb(187, 245, 247)  
}
```

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, 245, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 245, 247) }
```

Border

The CSS property to change the border of an element to XYZ 69.9344, 82.5850, 100.2503 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, 245, 247) }
```


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

```
.border{ border-color:rgb(187, 245, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 245, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 245, 247); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 245, 247); box-shadow:4px 4px 4px 4px rgb(187, 245, 247) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9344, 82.5850, 100.2503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 245, 247) }
```

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

```
.background{ background-color: rgb(187,  
245, 247) }
```

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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