

Converting Colors

XYZ(69.9931, 83.2078, 98.5339)

Have a look what the booklet for
XYZ(69.9931, 83.2078, 98.5339)
contains.

XYZ(69.9307, 83.0689, 98.7344)	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(69.9307, 83.0689,
98.7344)**

Conversions

Conversions Part 1

Format	Color
Hex	BBF6F5
RGB	187, 246, 245
RGB Percent	73%, 96%, 96%
CMY	0.2667, 0.0353, 0.0392
CMYK	0.24, 0.00, 0.00, 0.04
HSL	179°, 77%, 85%
HSV	179°, 24%, 96%
XYZ	69.9307, 83.0689, 98.7344
YIQ	228.2450, -34.8430, -12.8190

Conversions

Conversions Part 2

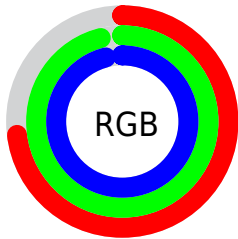
Format	Color
RYB	187, 217, 246
Decimal	12318453
CIELab	93.04, -18.64, -5.57
CIELCh	93, 19.451, 196.654
Yxy	83.0689, 0.2778, 0.3300
Android (android.graphics.Color)	4290508533 (0xFFBBF6F5)
YUV	228.2450, 8.2602, -36.1719
Hunter-Lab	91.1421, -22.5409, -0.4294

Details

The XYZ color **69.9307, 83.0689, 98.7344** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.8564, 58.7666, 55.5050**, and the grayscale version is **73.8837, 77.7314, 84.6495**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **37.1145, 45.4066, 54.9523** is the 20% darker color. If you saturate the color by 10%, you get **64.3573, 80.2052, 98.1424**, and if you desaturate by 10%, it is **76.5400, 86.4709, 99.3792**.

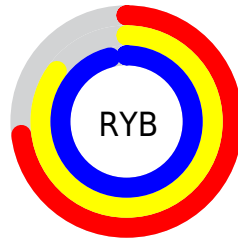
Distribution



Red (73%)

Green (96%)

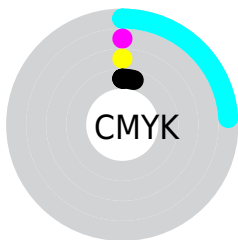
Blue (96%)



Red (73%)

Yellow (85%)

Blue (96%)

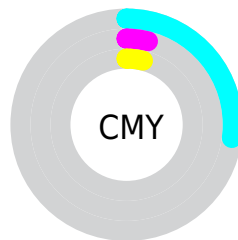


Cyan (24%)

Magenta (0%)

Yellow (0%)

Black (4%)



Cyan (27%)

Magenta (4%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9307, 83.0689, 98.7344 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 69.9307, 83.0689, 98.7344 by changing the saturation by 10% instead.

69.9307, 83.0689,
98.7344

69.9307, 83.0689,
98.7344

449.5769,
505.2161, 577.3394

51.7494, 62.2470,
74.6330

118.1367,
137.6720, 161.4535

37.0289, 45.2323,
54.8124

148.8922,
172.2219, 200.9084

25.4036, 31.6404,
38.8539

184.5698,
212.1166, 246.3181

16.5083, 21.0870,
26.3392

225.5348,
257.7406, 298.1013

9.9777, 13.1876,
16.8495

272.1527,
309.4781, 356.6765

5.4463, 7.5579,
9.9664

324.7888,

2.5489, 3.8134,

367.7136, 422.4622

5.2714

383.8084,
432.8315, 495.8770

■ 0.9200, 1.5697,
2.3459

■ 0.0000, 0.3371,
0.7567

■ 69.9307, 83.0689,
98.7344

■ 69.9307, 83.0689,
98.7344

■ 64.3573, 80.2052,
98.1424

■ 76.5400, 86.4709,
99.3792

■ 59.7599, 77.8425,
97.5951


■ 84.2267, 90.4261,
100.0734


■ 56.0840, 75.9548,
97.0916


■ 90.8712, 93.8440,
100.7195


■ 53.2662, 74.5096,
96.6290


■ 90.9355, 93.8698,
101.0585


 51.2358, 73.4701,
96.2041


 91.0001, 93.8956,
101.3982


 49.9103, 72.7941,
95.8128


 91.0647, 93.9214,
101.7387

 49.1891, 72.4296,
95.4507

 91.1295, 93.9474,
102.0800

 48.9576, 72.3146,
95.2426

 91.1945, 93.9734,
102.4220

 91.2596, 93.9994,
102.7648

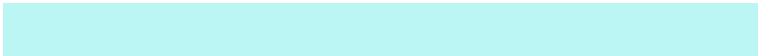
Harmonies

Analogous

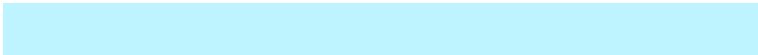
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.7957, 83.0689, 84.1212



69.9307, 83.0689, 98.7344



72.4154, 83.0689, 112.4380

Triad

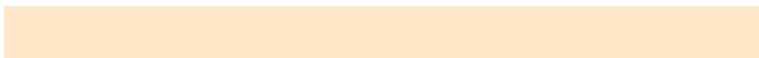
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.9307, 83.0689, 98.7344



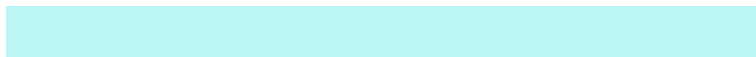
86.2997, 83.0689, 111.1184



81.2389, 83.0689, 65.7902

Complementary

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



69.9307, 83.0689, 98.7344



64.8564, 58.7666, 55.5050

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.



85.8758, 83.0689, 71.5299



69.9307, 83.0689, 98.7344



88.8814, 83.0689, 97.0841

Square

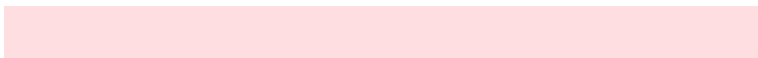
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.9307, 83.0689, 98.7344



81.7972, 83.0689, 120.0977



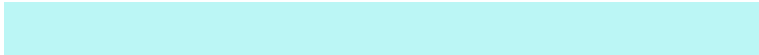
88.7230, 83.0689, 82.6385



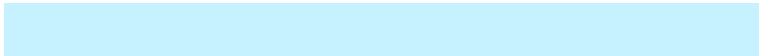
76.1784, 83.0689, 66.1300

Rectangle

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



69.9307, 83.0689, 98.7344



75.1333, 83.0689, 118.7487



88.7230, 83.0689, 82.6385



82.9031, 83.0689, 67.0438

Sweetspot

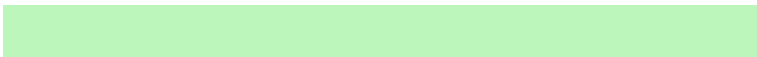
The Sweet Spot groups the original color and five complimentary colors.



69.9331, 83.0723, 98.7363



88.7363, 96.7508, 108.3497



62.9059, 80.3173, 59.2026



18.8827, 20.6518, 23.1814



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

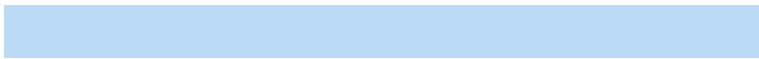
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.9331, 83.0723, 98.7363



72.6760, 88.4891, 106.7998



62.3231, 67.6065, 96.9572



16.9838, 18.7527, 21.1992



26.1362, 38.5993, 50.8647



2.3010, 3.3940, 4.4907

Inverse Universe

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



64.8564, 58.7666, 55.5050



66.2493, 57.7182, 52.0716



71.1604, 71.5471, 57.0747



16.5106, 16.4871, 17.1693



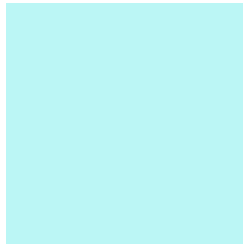
20.3035, 10.4648, 1.0407



1.7884, 0.9213, 0.1122

Previews

White Background



This preview shows how the XYZ color 69.9307, 83.0689, 98.7344 looks on a white background.

Color Contrast Check

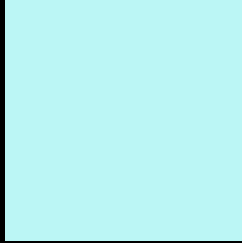
Large Text (above 18pt) WCAG AA × Fail

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 69.9307, 83.0689, 98.7344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

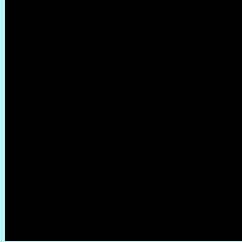
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.9307, 83.0689, 98.7344

Background



This preview shows how black text looks on a background with the XYZ color 69.9307, 83.0689, 98.7344.

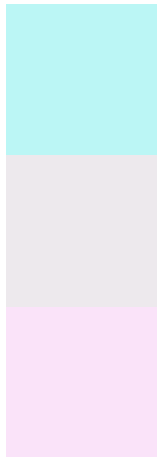


This preview shows how white text looks on a background with the XYZ color 69.9307, 83.0689,

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

69.9307, 83.0689, 98.7344

Protanopia

79.3500, 82.3968, 91.8427

Deuteranopia

83.9923, 82.1017, 101.0429



Tritanopia

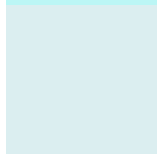
74.4071, 82.9680, 106.7005

Trichromacy



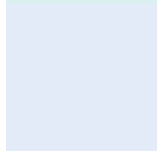
Original Color

69.9307, 83.0689, 98.7344



Protanomaly

75.5161, 82.5004, 94.3821



Deuteranomaly

78.0446, 81.9538, 100.5122



Tritanomaly

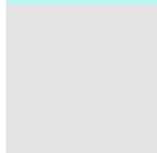
72.7519, 83.0720, 103.4669

Monochromacy



Original Color

69.9307, 83.0689, 98.7344



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

72.0002, 79.5033, 89.3928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9307, 83.0689, 98.7344 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, 246, 245)` looks like.

```
.text, #text, p{  
    color:rgb(187, 246, 245)  
}
```

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, 246, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 246, 245) }
```

Border

The CSS property to change the border of an element to XYZ 69.9307, 83.0689, 98.7344 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, 246, 245) }
```


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

```
.border{ border-color:rgb(187, 246, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 246, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 246, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 246, 245);  
box-shadow:4px 4px 4px 4px rgb(187, 246,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9307, 83.0689, 98.7344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 246, 245) }
```

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

```
.background{ background-color: rgb(187,  
246, 245) }
```

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