

Converting Colors

XYZ(69.9241, 83.4964,
100.3090)

Have a look what the booklet for
XYZ(69.9241, 83.4964, 100.3090)
contains.

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Color

**XYZ(70.0568, 83.5512,
100.4303)**

Conversions

Conversions Part 1

Format	Color
Hex	B9F7F7
RGB	185, 247, 247
RGB Percent	73%, 97%, 97%
CMY	0.2745, 0.0314, 0.0314
CMYK	0.25, 0.00, 0.00, 0.03
HSL	180°, 79%, 85%
HSV	180°, 25%, 97%
XYZ	70.0568, 83.5512, 100.4303
YIQ	228.4620, -36.9520, -13.1440

Conversions

Conversions Part 2

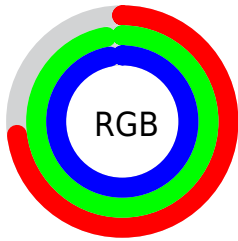
Format	Color
R_{YB}	185, 216, 247
Decimal	12187639
CIE _{Lab}	93.26, -19.27, -6.31
CIE _{LCh}	93, 20.280, 198.139
Yxy	83.5512, 0.2758, 0.3289
Android (android.graphics.Color)	4290377719 (0xFFB9F7F7)
YUV	228.4620, 9.1392, -38.1162
Hunter-Lab	91.4063, -23.1529, -1.1589

Details

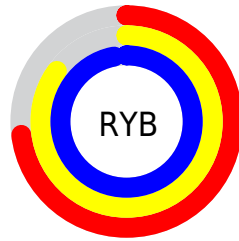
The XYZ color **70.0568, 83.5512, 100.4303** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.4666, 57.9771, 53.6951**, and the grayscale version is **74.0375, 77.8933, 84.8258**.

A 20% lighter version of the original color is **90.4279, 97.6172, 108.6837**, and **37.2407, 45.7690, 56.1617** is the 20% darker color. If you saturate the color by 10%, you get **64.6085, 80.7447, 100.1761**, and if you desaturate by 10%, it is **76.5451, 86.8981, 100.7367**.

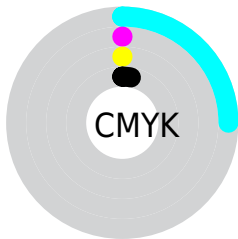
Distribution



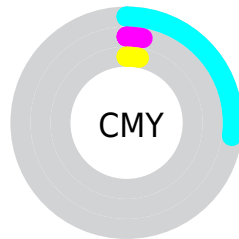
- Red (73%)
- Green (97%)
- Blue (97%)



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



- Cyan (25%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0568, 83.5512, 100.4303 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 70.0568, 83.5512, 100.4303 by changing the saturation by 10% instead.

70.0568, 83.5512,
100.4303

70.0568, 83.5512,
100.4303

450.0127,
506.8217, 582.8298

51.8526, 62.6450,
76.0411

118.3156,
138.3472, 163.8054

37.1114, 45.5541,
55.9593

149.1009,
173.0058, 203.6284

25.4678, 31.8941,
39.7665

184.8106,
213.0172, 249.4330

16.5565, 21.2806,
27.0442

225.8101,
258.7659, 301.6378

10.0122, 13.3293,
17.3737

272.4646,
310.6364, 360.6614

5.4693, 7.6557,
10.3365

325.1397,

2.5627, 3.8754,

369.0129, 426.9222

5.5141

384.2006,
434.2798, 500.8388

■ 0.9270, 1.6041,
2.4880

■ 0.0000, 0.3604,
0.8338

■ 70.0568, 83.5512,
100.4303

■ 70.0568, 83.5512,
100.4303

■ 64.6085, 80.7447,
100.1761

■ 76.5451, 86.8981,
100.7367

■ 60.1394, 78.4408,
99.9660

■ 84.1158, 90.8009,
101.0920

■ 56.5936, 76.6128,
99.7991

■ 91.2916, 94.5002,
101.4288

■ 53.9065, 75.2276,
99.6723

■ 91.2917, 94.5003,
101.4298

■ 52.0055, 74.2476,
99.5824

■ 91.2919, 94.5003,
101.4308

■ 50.8056, 73.6291,
99.5253

■ 91.2921, 94.5004,
101.4318

■ 50.2027, 73.3183,
99.4961

■ 91.2923, 94.5005,
101.4328

■ 50.0496, 73.2394,
99.4884

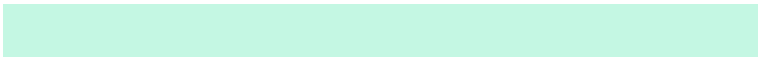
■ 91.2925, 94.5006,
101.4338

■ 91.2927, 94.5006,
101.4348

Harmonies

Analogous

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



69.7897, 83.5512, 85.0663



70.0568, 83.5512, 100.4303



72.7613, 83.5512, 114.6574

Triad

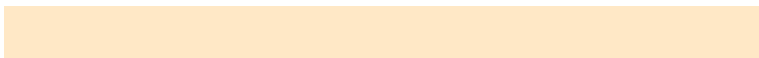
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.0568, 83.5512, 100.4303



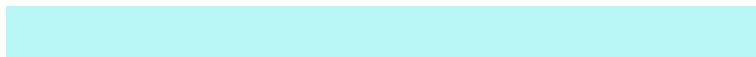
87.3015, 83.5512, 112.0233



81.5404, 83.5512, 65.1413

Complementary

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



70.0568, 83.5512, 100.4303



64.4666, 57.9771, 53.6951

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.



86.4580, 83.5512, 70.7979



70.0568, 83.5512, 100.4303



89.8824, 83.5512, 97.1471

Square

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



70.0568, 83.5512, 100.4303



82.6499, 83.5512, 121.8495



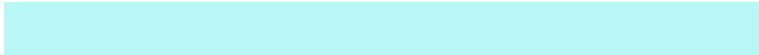
89.5670, 83.5512, 82.1290



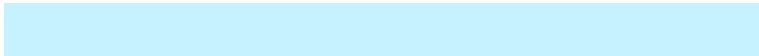
76.2616, 83.5512, 65.8101

Rectangle

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



70.0568, 83.5512, 100.4303



75.6536, 83.5512, 121.0580



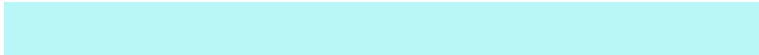
89.5670, 83.5512, 82.1290



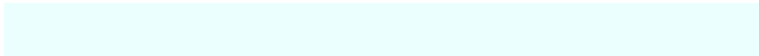
83.2947, 83.5512, 66.3376

Sweetspot

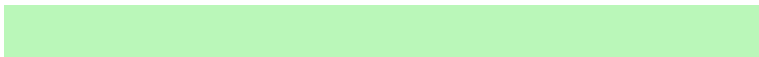
The Sweet Spot groups the original color and five complimentary colors.



70.0592, 83.5546, 100.4322



87.9389, 96.3341, 108.5664



62.2780, 80.4710, 58.1505



18.5549, 20.4815, 23.2251



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

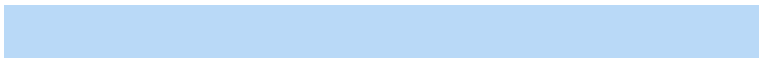
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.0592, 83.5546, 100.4322



72.2844, 88.2640, 107.8314



61.6199, 66.6752, 97.6214



16.9967, 18.7578, 21.2672



26.4684, 38.7322, 52.6139



2.3263, 3.4042, 4.6243

Inverse Universe

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



64.4666, 57.9771, 53.6951



65.3466, 56.5348, 49.8533



71.4096, 71.8637, 56.0079



16.4992, 16.4825, 17.1096



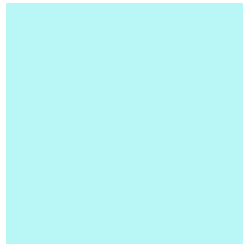
20.2862, 10.4579, 0.9496



1.7830, 0.9192, 0.0835

Previews

White Background



This preview shows how the XYZ color 70.0568, 83.5512, 100.4303 looks on a white background.

Color Contrast Check

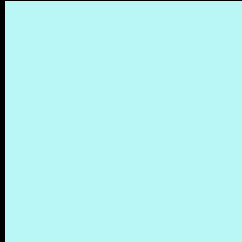
Large Text (above 18pt) WCAG AA × Fail

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 70.0568, 83.5512, 100.4303 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 70.0568, 83.5512, 100.4303

Background



This preview shows how black text looks on a background with the XYZ color 70.0568, 83.5512, 100.4303.

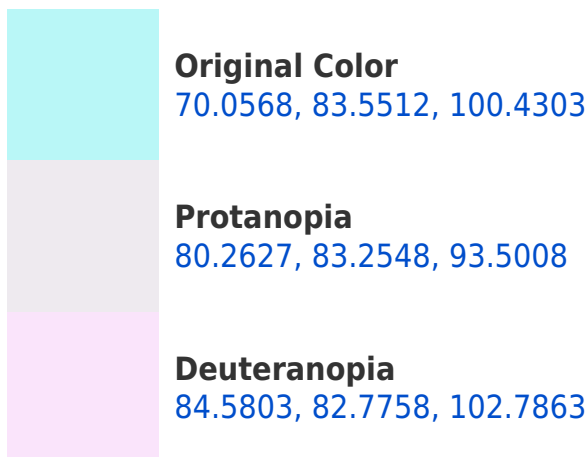


This preview shows how white text looks on a background with the XYZ color 70.0568, 83.5512,

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





Tritanopia

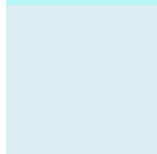
74.6821, 83.1097, 106.7134

Trichromacy



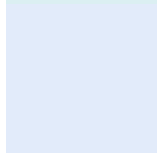
Original Color

70.0568, 83.5512, 100.4303



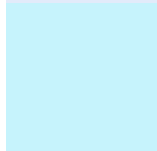
Protanomaly

76.1069, 83.2039, 96.0531



Deuteranomaly

78.3277, 82.4875, 102.2359



Tritanomaly

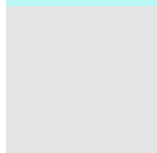
72.9100, 83.1352, 104.2994

Monochromacy



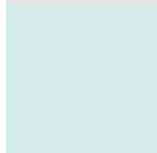
Original Color

70.0568, 83.5512, 100.4303



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

71.8551, 79.4119, 90.1381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0568, 83.5512, 100.4303 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(185, 247, 247)` looks like.

```
.text, #text, p{  
    color:rgb(185, 247, 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(185, 247, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 247, 247) }
```

Border

The CSS property to change the border of an element to XYZ 70.0568, 83.5512, 100.4303 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(185, 247, 247) }
```


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

```
.border{ border-color:rgb(185, 247, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 247, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 247, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 247, 247);  
box-shadow:4px 4px 4px 4px rgb(185, 247,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0568, 83.5512, 100.4303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 247, 247) }
```

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

```
.background{ background-color: rgb(185,  
247, 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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