

Converting Colors

XYZ(68.8998, 85.3409,
101.1547)

Have a look what the booklet for
XYZ(68.8998, 85.3409, 101.1547)
contains.

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Color

**XYZ(68.8325, 85.2204,
100.8170)**

Conversions

Conversions Part 1

Format	Color
Hex	ADFCF7
RGB	173, 252, 247
RGB Percent	68%, 99%, 97%
CMY	0.3216, 0.0117, 0.0314
CMYK	0.31, 0.00, 0.02, 0.01
HSL	176°, 93%, 83%
HSV	176°, 31%, 99%
XYZ	68.8325, 85.2204, 100.8170
YIQ	227.8090, -45.4790, -18.3030

Conversions

Conversions Part 2

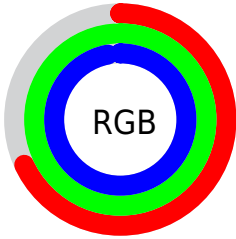
Format	Color
RYB	173, 214, 252
Decimal	11402487
CIELab	93.98, -25.03, -5.32
CIELCh	94, 25.593, 191.991
Yxy	85.2204, 0.2701, 0.3344
Android (android.graphics.Color)	4289592567 (0xFFADFCF7)
YUV	227.8090, 9.4612, -48.0675
Hunter-Lab	92.3149, -28.4566, -0.1301

Details

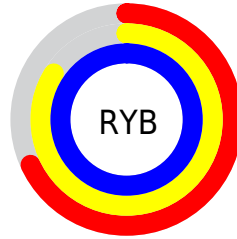
The XYZ color **68.8325, 85.2204, 100.8170** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **63.1273, 53.7994, 49.1800**, and the grayscale version is **73.5621, 77.3931, 84.2811**.

A 20% lighter version of the original color is **86.7650, 95.7289, 108.5123**, and **36.2552, 46.5737, 56.3690** is the 20% darker color. If you saturate the color by 10%, you get **63.5325, 82.5186, 99.2906**, and if you desaturate by 10%, it is **75.1905, 88.4716, 102.4076**.

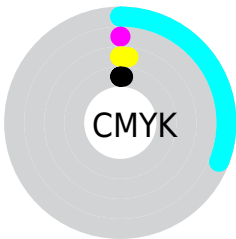
Distribution



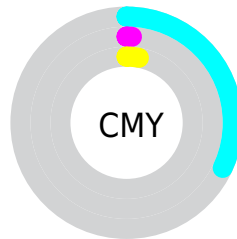
- Red (68%)
- Green (99%)
- Blue (97%)



- Red (68%)
- Yellow (84%)
- Blue (99%)



- Cyan (31%)
- Magenta (0%)
- Yellow (2%)
- Black (1%)



- Cyan (32%)
- Magenta (1%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8325, 85.2204, 100.8170 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 68.8325, 85.2204, 100.8170 by changing the saturation by 10% instead.

68.8325, 85.2204,
100.8170

68.8325, 85.2204,
100.8170

445.7706,
512.3571, 584.0779

50.8515, 64.0235,
76.3623

116.5777,
140.6811, 164.3411

36.3110, 46.6697,
56.2212

147.0725,
175.7136, 204.2477

24.8457, 32.7746,
39.9751

182.4694,
216.1269, 250.1420

16.0902, 21.9539,
27.2055

223.1335,
262.3052, 302.4425

9.6793, 13.8230,
17.4938

269.4304,
314.6330, 361.5678

5.2475, 7.9977,
10.4215

321.7253,

2.4294, 4.0934,

373.4946, 427.9364

5.5701

380.3836,
439.2745, 501.9670

■ 0.8598, 1.7260,
2.5210

■ 0.0000, 0.4404,
0.8512

■ 68.8325, 85.2204,
100.8170

■ 68.8325, 85.2204,
100.8170

■ 63.5325, 82.5186,
99.2906

■ 75.1905, 88.4716,
102.4076

■ 59.2238, 80.3255,
97.8198

■ 82.6537, 92.2902,
104.0591

■ 55.8438, 78.6109,
96.4033

■ 91.2754, 96.7058,
105.7758

■ 53.3196, 77.3372,
95.0379

■ 93.8429, 98.0001,
107.2203

■ 51.5675, 76.4614,
93.7194

■ 94.0988, 98.1024,
108.5678

■ 50.4868, 75.9314,
92.4433

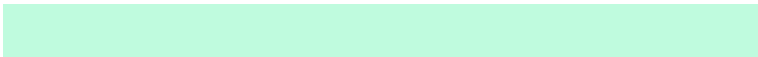
■ 94.1018, 98.1037,
108.5839

■ 49.9589, 75.6825,
91.3671

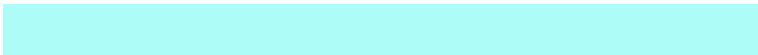
Harmonies

Analogous

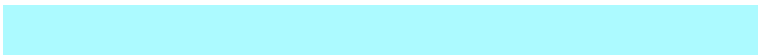
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.1529, 85.2204, 81.6524



68.8325, 85.2204, 100.8170



71.6348, 85.2204, 120.2642

Triad

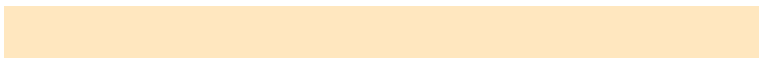
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.8325, 85.2204, 100.8170



90.0969, 85.2204, 123.6109



85.1235, 85.2204, 61.4497

Complementary

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



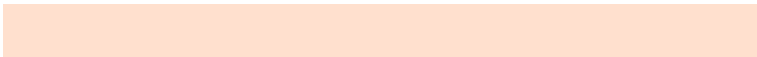
68.8325, 85.2204, 100.8170



63.1273, 53.7994, 49.1800

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.



91.1466, 85.2204, 69.8561



68.8325, 85.2204, 100.8170



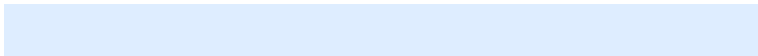
94.1271, 85.2204, 104.8981

Square

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



68.8325, 85.2204, 100.8170



83.7556, 85.2204, 134.6081



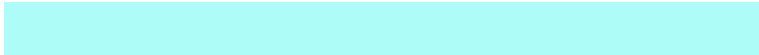
94.5218, 85.2204, 85.2018



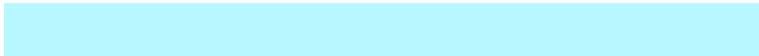
78.3044, 85.2204, 60.6773

Rectangle

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



68.8325, 85.2204, 100.8170



74.9935, 85.2204, 130.0711



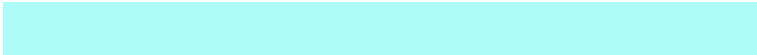
94.5218, 85.2204, 85.2018



87.3178, 85.2204, 63.4153

Sweetspot

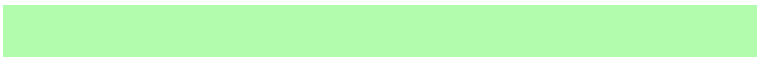
The Sweet Spot groups the original color and five complimentary colors.



68.8350, 85.2238, 100.8190



86.8718, 95.8109, 107.3005



60.7772, 82.1379, 52.1879



18.3310, 20.3727, 22.9125



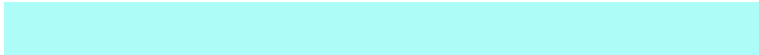
0.0000, 0.0000, 0.0000



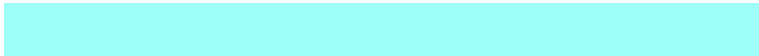
20.3446, 21.4041, 23.3091

Same Dimension

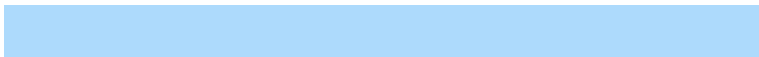
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.8350, 85.2238, 100.8190



66.9579, 85.6303, 102.5104



59.8178, 65.9372, 101.6737



17.7156, 19.5885, 21.9687



26.0441, 39.4306, 47.7029



2.4261, 3.6575, 4.4916

Inverse Universe

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



63.1273, 53.7994, 49.1800



60.2061, 48.4367, 41.4100



70.0601, 68.4543, 49.0574



17.2892, 17.2430, 18.1126



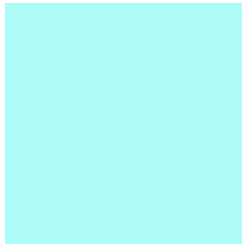
20.9780, 10.8069, 1.3265



1.9580, 1.0070, 0.2025

Previews

White Background



This preview shows how the XYZ color 68.8325, 85.2204, 100.8170 looks on a white background.

Color Contrast Check

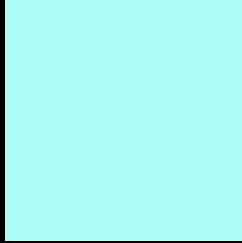
Large Text (above 18pt) WCAG AA × Fail

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 68.8325, 85.2204, 100.8170 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

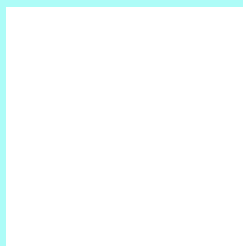
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.8325, 85.2204, 100.8170

Background



This preview shows how black text looks on a background with the XYZ color 68.8325, 85.2204, 100.8170.

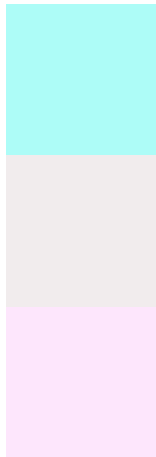


This preview shows how white text looks on a background with the XYZ color 68.8325, 85.2204,

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

68.8325, 85.2204, 100.8170

Protanopia

81.5571, 84.8061, 92.1915

Deuteranopia

86.3755, 84.5046, 103.8540



Tritanopia

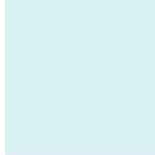
75.8327, 84.5866, 106.9378

Trichromacy



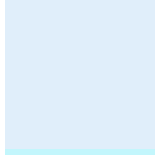
Original Color

68.8325, 85.2204, 100.8170



Protanomaly

75.9482, 84.4541, 95.5175



Deuteranomaly

78.5703, 83.8985, 102.4954



Tritanomaly

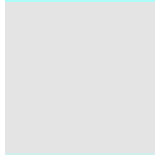
73.0321, 84.5419, 104.5645

Monochromacy



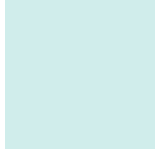
Original Color

68.8325, 85.2204, 100.8170



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

71.2920, 79.9764, 90.2768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8325, 85.2204, 100.8170 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(173, 252, 247)` looks like.

```
.text, #text, p{  
    color:rgb(173, 252, 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(173, 252, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 252, 247) }
```

Border

The CSS property to change the border of an element to XYZ 68.8325, 85.2204, 100.8170 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(173, 252, 247) }
```


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

```
.border{ border-color:rgb(173, 252, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 252, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 252, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 252, 247);  
box-shadow:4px 4px 4px 4px rgb(173, 252,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8325, 85.2204, 100.8170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 252, 247) }
```

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

```
.background{ background-color: rgb(173,  
252, 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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