

Converting Colors

XYZ(65.8499, 80.9962, 96.6809)

Have a look what the booklet for
XYZ(65.8499, 80.9962, 96.6809)
contains.

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Color

**XYZ(65.9280, 81.0405,
96.9616)**

Conversions

Conversions Part 1

Format	Color
Hex	ABF6F3
RGB	171, 246, 243
RGB Percent	67%, 96%, 95%
CMY	0.3294, 0.0353, 0.0471
CMYK	0.30, 0.00, 0.01, 0.04
HSL	178°, 81%, 82%
HSV	178°, 30%, 96%
XYZ	65.9280, 81.0405, 96.9616
YIQ	223.2330, -43.7370, -16.8330

Conversions

Conversions Part 2

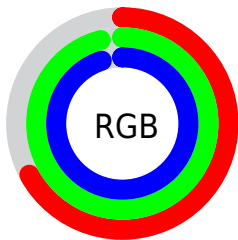
Format	Color
R _{YB}	171, 209, 246
Decimal	11269875
CIE Lab	92.15, -23.56, -5.95
CIE LCh	92, 24.300, 194.178
Yxy	81.0405, 0.2703, 0.3322
Android (android.graphics.Color)	4289459955 (0xFFABF6F3)
YUV	223.2330, 9.7451, -45.8083
Hunter-Lab	90.0225, -26.8148, -0.8444

Details

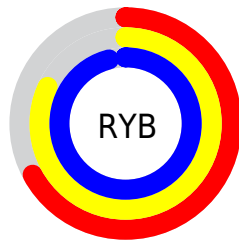
The XYZ color **65.9280, 81.0405, 96.9616** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **60.2117, 51.7769, 46.8680**, and the grayscale version is **70.2619, 73.9210, 80.5000**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **34.3697, 43.6961, 53.6364** is the 20% darker color. If you saturate the color by 10%, you get **60.9125, 78.4741, 95.9542**, and if you desaturate by 10%, it is **71.9463, 84.1278, 98.0236**.

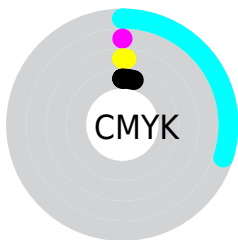
Distribution



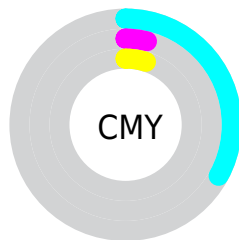
- Red (67%)
- Green (96%)
- Blue (95%)



- Red (67%)
- Yellow (82%)
- Blue (96%)



- Cyan (30%)
- Magenta (0%)
- Yellow (1%)
- Black (4%)



- Cyan (33%)
- Magenta (4%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.9280, 81.0405, 96.9616 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 65.9280, 81.0405, 96.9616 by changing the saturation by 10% instead.

65.9280, 81.0405,
96.9616

65.9280, 81.0405,
96.9616

435.6120,
498.4325, 571.5699

48.4814, 60.5750,
73.1628

112.4413,
134.8276, 158.9907

34.4211, 43.8822,
53.6165

142.2387,
168.9180, 198.0580

23.3817, 30.5779,
37.9040

176.8839,
208.3188, 243.0520

14.9979, 20.2777,
25.6070

216.7420,
253.4144, 294.3911

8.9042, 12.5970,
16.3067

262.1785,
304.5891, 352.4940

4.7354, 7.1517,
9.5848


313.5588,


2.1260, 3.5571,


362.2275, 417.7790


5.0225


371.2482,
426.7138, 490.6648


 0.7033, 1.4291,
2.2015

 0.0000, 0.2380,
0.6752


 65.9280, 81.0405,
96.9616


 65.9280, 81.0405,
96.9616


 60.9125, 78.4741,
95.9542


 71.9463, 84.1278,
98.0236


 56.8372, 76.3902,
94.9932

 79.0113, 87.7527,
99.1370

 53.6436, 74.7608,
94.0776

 87.1731, 91.9428,
100.3060

 51.2638, 73.5509,
93.2042

 90.9766, 93.8861,
101.2751

■ 49.6201, 72.7203,
92.3694

■ 91.1290, 93.9470,
102.0776

■ 48.6193, 72.2210,
91.5688

■ 91.2822, 94.0083,
102.8843

■ 48.1200, 71.9794,
90.8324

■ 91.4362, 94.0699,
103.6953

■ 91.5910, 94.1318,
104.5105

■ 91.7466, 94.1941,
105.3300

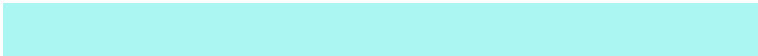
Harmonies

Analogous

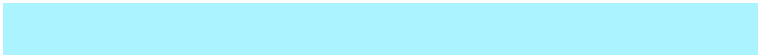
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.0087, 81.0405, 79.1635



65.9280, 81.0405, 96.9616



68.7065, 81.0405, 114.5302

Triad

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



65.9280, 81.0405, 96.9616



85.7298, 81.0405, 115.3653



80.3578, 81.0405, 59.0358

Complementary

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



65.9280, 81.0405, 96.9616



60.2117, 51.7769, 46.8680

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.



85.9926, 81.0405, 66.3153



65.9280, 81.0405, 96.9616



89.2069, 81.0405, 97.9836

Square

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



65.9280, 81.0405, 96.9616



80.0148, 81.0405, 126.0909



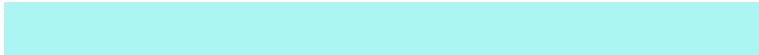
89.3056, 81.0405, 80.0565



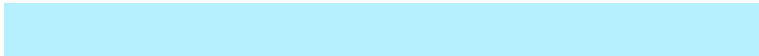
74.1137, 81.0405, 58.8400

Rectangle

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



65.9280, 81.0405, 96.9616



71.8979, 81.0405, 123.0782



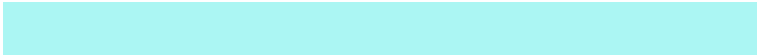
89.3056, 81.0405, 80.0565



82.3935, 81.0405, 60.6861

Sweetspot

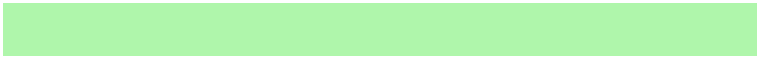
The Sweet Spot groups the original color and five complimentary colors.



65.9304, 81.0438, 96.9635



86.9573, 95.8451, 107.7509



57.9320, 77.9401, 50.5203



18.3522, 20.3812, 23.0244



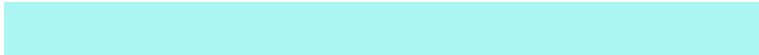
0.0000, 0.0000, 0.0000



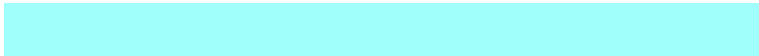
20.3446, 21.4041, 23.3091

Same Dimension

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



65.9304, 81.0438, 96.9635



67.8352, 86.0398, 104.4828



57.0376, 62.5264, 96.2550



16.9664, 18.7457, 21.1072



25.6966, 38.4235, 48.5495



2.2673, 3.3806, 4.3132

Inverse Universe

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



60.2117, 51.7769, 46.8680



60.6633, 49.3234, 41.6478



67.1311, 66.0790, 47.7461



16.5260, 16.4933, 17.2506



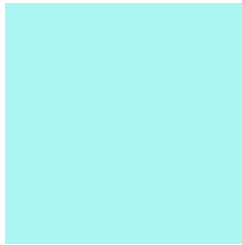
20.3270, 10.4742, 1.1644



1.7958, 0.9243, 0.1512

Previews

White Background



This preview shows how the XYZ color 65.9280, 81.0405, 96.9616 looks on a white background.

Color Contrast Check

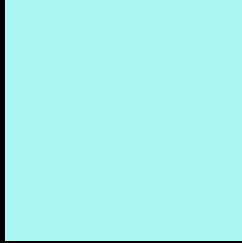
Large Text (above 18pt) WCAG AA × Fail

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 65.9280, 81.0405, 96.9616 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 65.9280, 81.0405, 96.9616

Background



This preview shows how black text looks on a background with the XYZ color 65.9280, 81.0405, 96.9616.

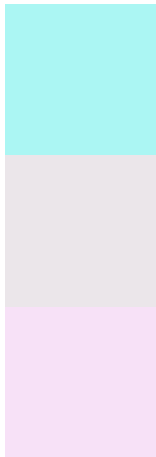


This preview shows how white text looks on a background with the XYZ color 65.9280, 81.0405,

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

65.9280, 81.0405, 96.9616

Protanopia

77.4090, 80.1963, 89.2414

Deuteranopia

82.0715, 80.3400, 99.1772



Tritanopia

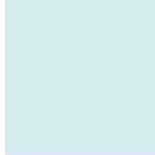
70.9483, 80.7466, 106.4540

Trichromacy



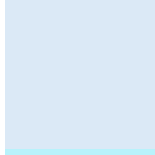
Original Color

65.9280, 81.0405, 96.9616



Protanomaly

72.4329, 80.1024, 91.7644



Deuteranomaly

74.9869, 79.9917, 98.6765



Tritanomaly

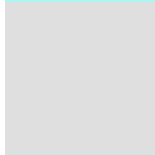
68.9319, 80.6596, 103.2026

Monochromacy



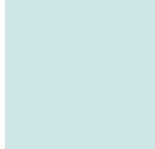
Original Color

65.9280, 81.0405, 96.9616



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

67.7607, 75.7024, 85.9036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.9280, 81.0405, 96.9616 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(171, 246, 243)` looks like.

```
.text, #text, p{  
    color:rgb(171, 246, 243)  
}
```

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(171, 246, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 246, 243) }
```

Border

The CSS property to change the border of an element to XYZ 65.9280, 81.0405, 96.9616 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(171, 246, 243) }
```


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

```
.border{ border-color:rgb(171, 246, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 246, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 246, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 246, 243);  
box-shadow:4px 4px 4px 4px rgb(171, 246,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 65.9280, 81.0405, 96.9616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 246, 243) }
```

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

```
.background{ background-color: rgb(171,  
246, 243) }
```

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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