

Converting Colors

XYZ(64.4909, 81.6753, 85.4031)

Have a look what the booklet for
XYZ(64.4909, 81.6753, 85.4031)
contains.

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Color

**XYZ(64.3656, 81.3942,
85.7170)**

Conversions

Conversions Part 1

Format	Color
Hex	ABF8E4
RGB	171, 248, 228
RGB Percent	67%, 97%, 89%
CMY	0.3294, 0.0274, 0.1059
CMYK	0.31, 0.00, 0.08, 0.03
HSL	164°, 85%, 82%
HSV	164°, 31%, 97%
XYZ	64.3656, 81.3942, 85.7170
YIQ	222.6970, -39.4720, -22.5440

Conversions

Conversions Part 2

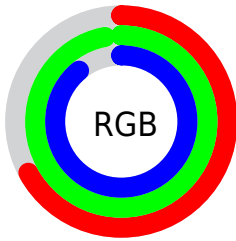
Format	Color
R_{YB}	171, 215, 248
Decimal	11270372
CIE _{Lab}	92.31, -27.76, 2.06
CIE _{LCh}	92, 27.838, 175.746
Yxy	81.3942, 0.2781, 0.3516
Android (android.graphics.Color)	4289460452 (0xFFABF8E4)
YUV	222.6970, 2.6144, -45.3383
Hunter-Lab	90.2187, -30.5339, 6.8216

Details

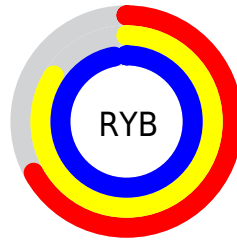
The XYZ color **64.3656, 81.3942, 85.7170** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **62.6811, 52.8460, 56.1902**, and the grayscale version is **69.9282, 73.5700, 80.1177**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **33.3761, 43.9917, 46.2673** is the 20% darker color. If you saturate the color by 10%, you get **58.5847, 78.5176, 80.8657**, and if you desaturate by 10%, it is **71.1979, 84.8132, 90.7950**.

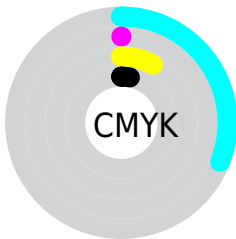
Distribution



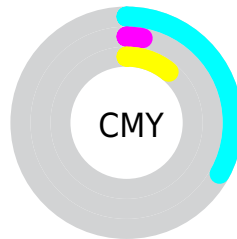
- Red (67%)
- Green (97%)
- Blue (89%)



- Red (67%)
- Yellow (84%)
- Blue (97%)



- Cyan (31%)
- Magenta (0%)
- Yellow (8%)
- Black (3%)



- Cyan (33%)
- Magenta (3%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.3656, 81.3942, 85.7170 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 64.3656, 81.3942, 85.7170 by changing the saturation by 10% instead.

64.3656, 81.3942,
85.7170

64.3656, 81.3942,
85.7170

430.0900,
499.6191, 534.2039

47.2096, 60.8663,
63.8804

110.2081,
135.3241, 143.2575

33.4101, 44.1173,
46.1083

139.6253,
169.4950, 179.7986

22.6015, 30.7627,
31.9820

173.8604,
208.9823, 222.0782

14.4186, 20.4182,
21.0830

213.2786,
254.1704, 270.5150

8.4960, 12.6994,
12.9929

258.2453,
305.4437, 325.5274

4.4684, 7.2219,
7.2930

309.1258,

1.9704, 3.6013,

363.1867, 387.5340

3.5648

366.2856,
427.7837, 456.9533

■ 0.6173, 1.4531,
1.3898

■ 0.0000, 0.2554,
0.1337

■ 64.3656, 81.3942,
85.7170

■ 64.3656, 81.3942,
85.7170

■ 58.5847, 78.5176,
80.8657

■ 71.1979, 84.8132,
90.7950

■ 53.7912, 76.1441,
76.2309

■ 79.1274, 88.7919,
96.0985

■ 49.9246, 74.2446,
71.8098

■ 88.2056, 93.3587,
101.6334

■ 46.9147, 72.7831,
67.5971

■ 92.6617, 95.5389,
107.1314

■ 44.6810, 71.7180,
63.5870

■ 92.8589, 95.6177,
108.1696

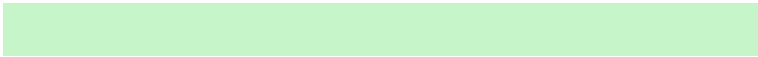
■ 43.1272, 70.9998,
59.7731

■ 42.1766, 70.5808,
56.5175

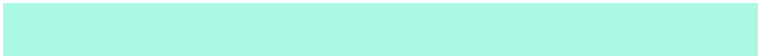
Harmonies

Analogous

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



66.4780, 81.3942, 68.1347



64.3656, 81.3942, 85.7170



65.5545, 81.3942, 106.9809

Triad

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



64.3656, 81.3942, 85.7170



83.5316, 81.3942, 129.3341



85.4169, 81.3942, 59.7342

Complementary

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



64.3656, 81.3942, 85.7170



62.6811, 52.8460, 56.1902

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.



90.5101, 81.3942, 72.4979



64.3656, 81.3942, 85.7170



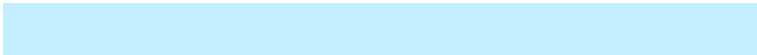
89.3751, 81.3942, 112.8582

Square

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



64.3656, 81.3942, 85.7170



76.3408, 81.3942, 134.3188



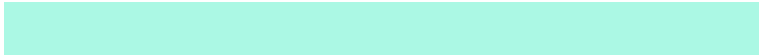
92.0014, 81.3942, 91.5969



78.3938, 81.3942, 54.6828

Rectangle

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



64.3656, 81.3942, 85.7170



68.1012, 81.3942, 120.1533



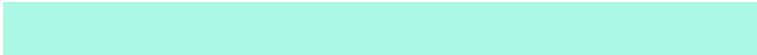
92.0014, 81.3942, 91.5969



87.4281, 81.3942, 63.1584

Sweetspot

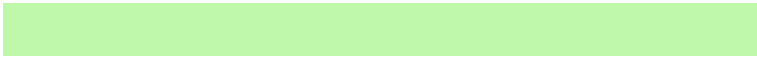
The Sweet Spot groups the original color and five complimentary colors.



64.3679, 81.3975, 85.7189



86.1598, 95.5261, 103.5511



62.5409, 81.2242, 50.9111



18.1545, 20.3021, 21.9832



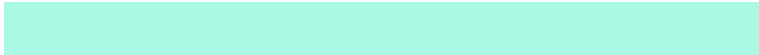
0.0000, 0.0000, 0.0000



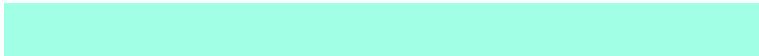
20.3446, 21.4041, 23.3091

Same Dimension

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



64.3679, 81.3975, 85.7189



64.7394, 84.8015, 88.1808



62.0465, 72.0504, 99.4477



17.5620, 19.5271, 21.1599



22.8433, 38.1503, 30.8476



2.1589, 3.5507, 3.0848

Inverse Universe

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



62.6811, 52.8460, 56.1902



62.6976, 50.1371, 52.3602



64.2552, 59.2800, 46.5850



17.4297, 17.2992, 18.8524



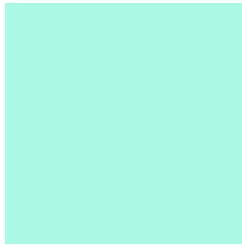
21.4667, 11.0024, 3.9001



2.0296, 1.0356, 0.5791

Previews

White Background



This preview shows how the XYZ color 64.3656, 81.3942, 85.7170 looks on a white background.

Color Contrast Check

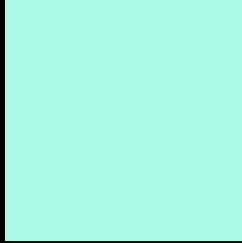
Large Text (above 18pt) WCAG AA × Fail

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 64.3656, 81.3942, 85.7170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

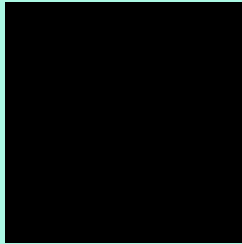
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

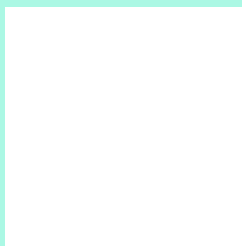
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.3656, 81.3942, 85.7170

Background



This preview shows how black text looks on a background with the XYZ color 64.3656, 81.3942, 85.7170.



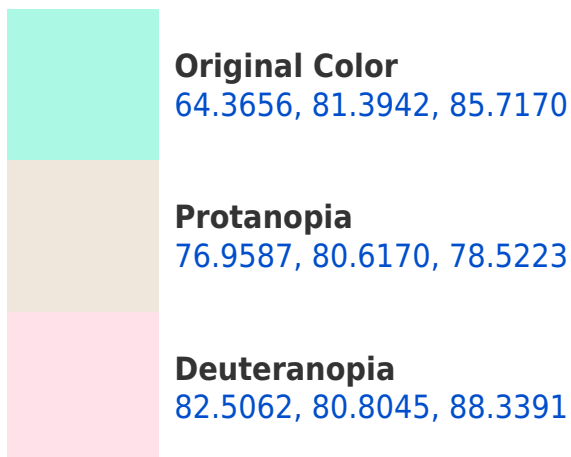
This preview shows how white text looks on a background with the XYZ color 64.3656, 81.3942,

85.7170.

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

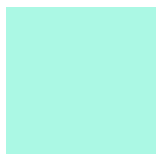




Tritanopia

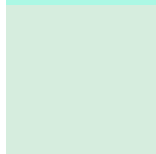
71.4582, 81.0095, 106.4779

Trichromacy



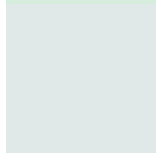
Original Color

64.3656, 81.3942, 85.7170



Protanomaly

71.2006, 80.1384, 80.8228



Deuteranomaly

74.3032, 79.8946, 87.1063



Tritanomaly

68.7817, 81.1329, 98.4212

Monochromacy



Original Color

64.3656, 81.3942, 85.7170



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

67.3491, 75.9868, 82.3514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3656, 81.3942, 85.7170 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, 248, 228)` looks like.

```
.text, #text, p{  
    color:rgb(171, 248, 228)  
}
```

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, 248, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 248, 228) }
```

Border

The CSS property to change the border of an element to XYZ 64.3656, 81.3942, 85.7170 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, 248, 228) }
```


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

```
.border{ border-color:rgb(171, 248, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 248, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 248, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 248, 228);  
box-shadow:4px 4px 4px 4px rgb(171, 248,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3656, 81.3942, 85.7170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 248, 228) }
```

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

```
.background{ background-color: rgb(171,  
248, 228) }
```

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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