

Converting Colors

XYZ(65.8935, 85.5509, 81.3257)

Have a look what the booklet for
XYZ(65.8935, 85.5509, 81.3257)
contains.

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Color

**XYZ(65.8244, 85.5111,
81.4426)**

Conversions

Conversions Part 1

Format	Color
Hex	ACFFDD
RGB	172, 255, 221
RGB Percent	67%, 100%, 87%
CMY	0.3255, 0.0000, 0.1333
CMYK	0.33, 0.00, 0.13, 0.00
HSL	155°, 100%, 84%
HSV	155°, 33%, 100%
XYZ	65.8244, 85.5111, 81.4426
YIQ	226.3070, -38.5540, -28.1700

Conversions

Conversions Part 2

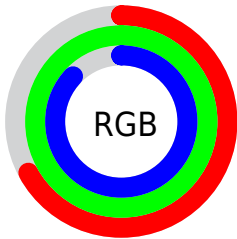
Format	Color
R _{YB}	172, 224, 255
Decimal	11337693
CIE _{Lab}	94.10, -32.21, 8.28
CIE _{LCh}	94, 33.259, 165.578
Y _{xy}	85.5111, 0.2828, 0.3674
Android (android.graphics.Color)	4289527773 (0xFFACFFDD)
YUV	226.3070, -2.6164, -47.6272
Hunter-Lab	92.4722, -34.7649, 12.5124

Details

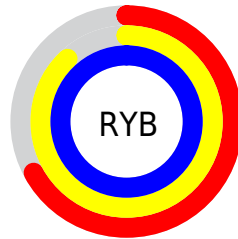
The XYZ color **65.8244, 85.5111, 81.4426** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **67.1336, 55.2223, 65.5135**, and the grayscale version is **72.5490, 76.3272, 83.1204**.

A 20% lighter version of the original color is **86.1231, 95.3980, 108.4822**, and **34.4131, 46.9232, 43.3197** is the 20% darker color. If you saturate the color by 10%, you get **59.4059, 82.3581, 74.1026**, and if you desaturate by 10%, it is **73.4049, 89.2531, 89.2918**.

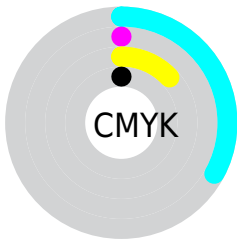
Distribution



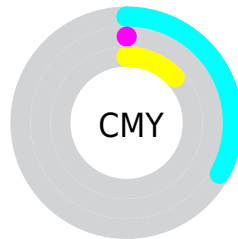
- Red (67%)
- Green (100%)
- Blue (87%)



- Red (67%)
- Yellow (88%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)



- Cyan (33%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.8244, 85.5111, 81.4426 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 65.8244, 85.5111, 81.4426 by changing the saturation by 10% instead.

65.8244, 85.5111,
81.4426

65.8244, 85.5111,
81.4426

435.2472,
513.3178, 519.6157

48.3970, 64.2638,
60.3731

112.2934,
141.0870, 137.2217

34.3540, 46.8643,
43.2921

142.0657,
176.1844, 172.7684

23.3298, 32.9284,
29.7813

176.6838,
216.6673, 213.9778

14.9593, 22.0716,
19.4220

216.5129,
262.9201, 261.2686

8.8769, 13.9095,
11.7957

261.9185,
315.3271, 315.0592

4.7175, 8.0578,
6.4839

313.2658,

2.1155, 4.1319,

374.2728, 375.7683

3.0680

370.9202,
440.1415, 443.8142

■ 0.6976, 1.7476,
1.1294

■ 0.0000, 0.4542,
0.0000

■ 65.8244, 85.5111,
81.4426

■ 65.8244, 85.5111,
81.4426

■ 59.4059, 82.3581,
74.1026

■ 73.4049, 89.2531,
89.2918

■ 54.0838, 79.7605,
67.2564

■ 82.2031, 93.6128,
97.6566

■ 49.7894, 77.6830,
60.8939

■ 92.2742, 98.6182,
106.5488

■ 46.4449, 76.0858,
55.0027

95.0500, 100.0000,
108.9000

■ 43.9607, 74.9228,
49.5698

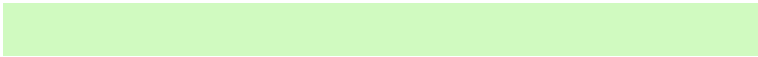
■ 42.2285, 74.1384,
44.5809

■ 41.3090, 73.7396,
41.1408

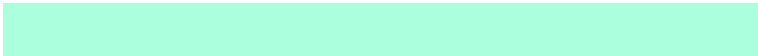
Harmonies

Analogous

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



69.6723, 85.5111, 62.8825



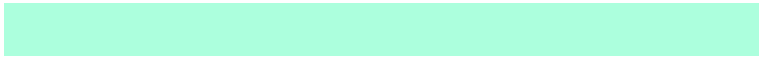
65.8244, 85.5111, 81.4426



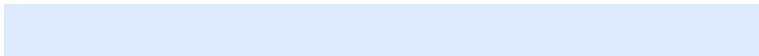
65.9019, 85.5111, 106.8772

Triad

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



65.8244, 85.5111, 81.4426



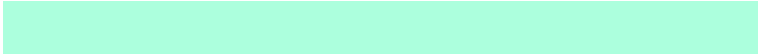
85.9515, 85.5111, 148.6503



93.8323, 85.5111, 62.3467

Complementary

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



65.8244, 85.5111, 81.4426



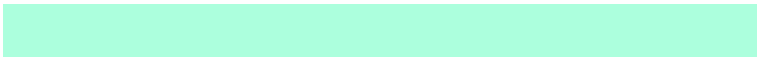
67.1336, 55.2223, 65.5135

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.



98.8718, 85.5111, 80.5735



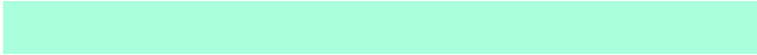
65.8244, 85.5111, 81.4426



94.1008, 85.5111, 131.7327

Square

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



65.8244, 85.5111, 81.4426



77.0937, 85.5111, 148.9996



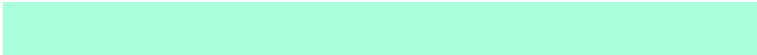
98.9735, 85.5111, 105.8352



85.6064, 85.5111, 53.2988

Rectangle

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



65.8244, 85.5111, 81.4426



68.1550, 85.5111, 124.5804



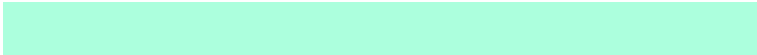
98.9735, 85.5111, 105.8352



95.9807, 85.5111, 67.4383

Sweetspot

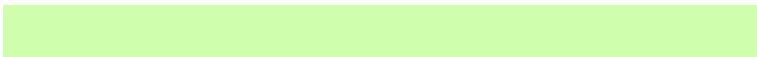
The Sweet Spot groups the original color and five complimentary colors.



65.8252, 85.5115, 81.4440



84.6464, 94.8258, 99.8719



68.8229, 87.7043, 52.3323



17.8272, 20.1523, 21.1143



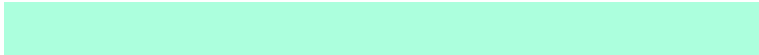
0.0000, 0.0000, 0.0000



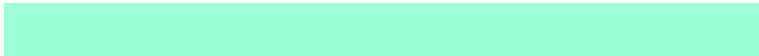
20.3446, 21.4041, 23.3091

Same Dimension

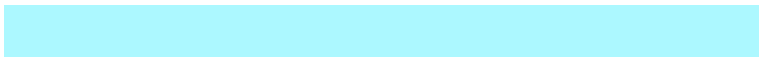
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.8252, 85.5115, 81.4440



61.5545, 83.4116, 76.6501



68.6569, 83.1771, 107.0439



18.2216, 20.3482, 21.4698



21.6609, 38.5609, 21.8972



2.1633, 3.7763, 2.4180

Inverse Universe

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



67.1336, 55.2223, 65.5135



63.0497, 48.8848, 58.5089



64.7905, 56.4464, 46.5114



18.3178, 18.1104, 20.2908



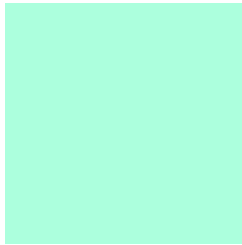
22.9362, 11.6638, 8.3145



2.2859, 1.1567, 1.0867

Previews

White Background



This preview shows how the XYZ color 65.8244, 85.5111, 81.4426 looks on a white background.

Color Contrast Check

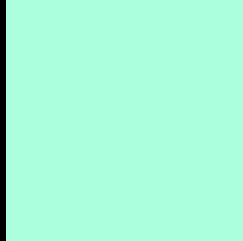
Large Text (above 18pt) WCAG AA × Fail

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 65.8244, 85.5111, 81.4426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

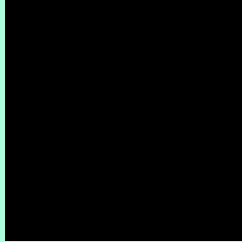
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.8244, 85.5111, 81.4426

Background



This preview shows how black text looks on a background with the XYZ color 65.8244, 85.5111, 81.4426.



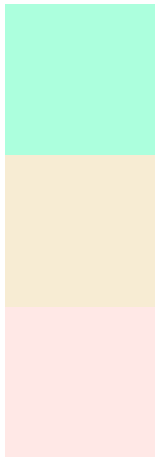
This preview shows how white text looks on a background with the XYZ color 65.8244, 85.5111,

81.4426.

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

65.8244, 85.5111, 81.4426

Protanopia

80.1111, 84.4682, 73.7097

Deuteranopia

84.3795, 84.6864, 86.7617



Tritanopia

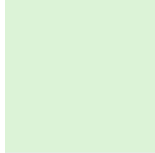
76.3951, 84.8765, 106.9641

Trichromacy



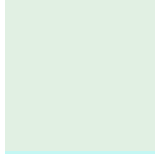
Original Color

65.8244, 85.5111, 81.4426



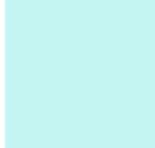
Protanomaly

73.8315, 84.2231, 76.6553



Deuteranomaly

76.0766, 83.8738, 84.8526



Tritanomaly

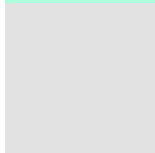
72.2034, 84.7284, 97.3427

Monochromacy



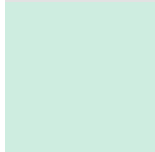
Original Color

65.8244, 85.5111, 81.4426



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.1923, 79.0720, 82.1366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.8244, 85.5111, 81.4426 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(172, 255, 221)` looks like.

```
.text, #text, p{  
    color:rgb(172, 255, 221)  
}
```

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(172, 255, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 255, 221) }
```

Border

The CSS property to change the border of an element to XYZ 65.8244, 85.5111, 81.4426 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(172, 255, 221) }
```


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

```
.border{ border-color:rgb(172, 255, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 255, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 255, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 255, 221);  
box-shadow:4px 4px 4px 4px rgb(172, 255,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 65.8244, 85.5111, 81.4426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 255, 221) }
```

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

```
.background{ background-color: rgb(172,  
255, 221) }
```

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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