

Converting Colors

XYZ(63.1542, 83.7356, 85.0268)

Have a look what the booklet for
XYZ(63.1542, 83.7356, 85.0268)
contains.

XYZ(63.0739, 83.5427, 84.7525)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(63.0739, 83.5427,
84.7525)**

Conversions

Conversions Part 1

Format	Color
Hex	9DFEE2
RGB	157, 254, 226
RGB Percent	62%, 100%, 89%
CMY	0.3843, 0.0039, 0.1137
CMYK	0.38, 0.00, 0.11, 0.00
HSL	163°, 98%, 81%
HSV	163°, 38%, 100%
XYZ	63.0739, 83.5427, 84.7525
YIQ	221.8050, -48.8240, -29.2720

Conversions

Conversions Part 2

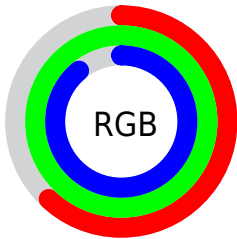
Format	Color
RYB	157, 214, 254
Decimal	10354402
CIELab	93.25, -34.79, 4.39
CIELCh	93, 35.066, 172.810
Yxy	83.5427, 0.2726, 0.3611
Android (android.graphics.Color)	4288544482 (0xFF9DFEE2)
YUV	221.8050, 2.0681, -56.8340
Hunter-Lab	91.4017, -36.7748, 9.0044

Details

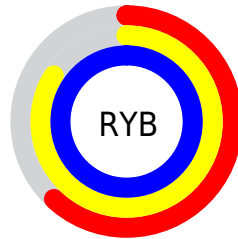
The XYZ color **63.0739, 83.5427, 84.7525** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **61.6898, 48.6897, 52.0488**, and the grayscale version is **69.3060, 72.9153, 79.4048**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **32.6838, 45.6395, 45.6148** is the 20% darker color. If you saturate the color by 10%, you get **57.6396, 80.8572, 79.3588**, and if you desaturate by 10%, it is **69.5860, 86.7832, 90.4249**.

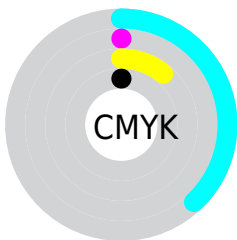
Distribution



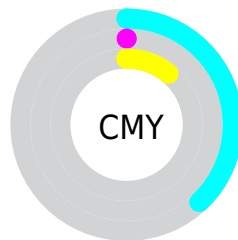
- Red (62%)
- Green (100%)
- Blue (89%)



- Red (62%)
- Yellow (84%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (38%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.0739, 83.5427, 84.7525 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 63.0739, 83.5427, 84.7525 by changing the saturation by 10% instead.


 63.0739, 83.5427,
84.7525


 63.0739, 83.5427,
84.7525

425.4930,
506.7934, 530.9320

 46.1599, 62.6380,
63.0879

 108.3573,
138.3353, 141.8984

 32.5772, 45.5484,
45.4709


 137.4574,
172.9919, 178.2168

 21.9604, 31.8896,
31.4828


171.3503,
213.0013, 220.2570

 13.9442, 21.2772,
20.7053

210.4012,
258.7479, 268.4373

 8.1633, 13.3268,
12.7196

254.9756,
310.6160, 323.1765

 4.2523, 7.6539,
7.1073

305.4388,

 1.8459, 3.8743,

368.9900, 384.8929

3.4498

362.1562,
434.2543, 454.0052

■ 0.5451, 1.6035,
1.3287

■ 0.0000, 0.3600,
0.0851

■ 63.0739, 83.5427,
84.7525

■ 63.0739, 83.5427,
84.7525

■ 57.6396, 80.8572,
79.3588

■ 69.5860, 86.7832,
90.4249

■ 53.2113, 78.6832,
74.2323

■ 77.2282, 90.5991,
96.3758

■ 49.7192, 76.9870,
69.3686

■ 86.0576, 95.0220,
102.6123

■ 47.0813, 75.7263,
64.7612

94.7333, 99.3666,
108.7944

■ 45.2008, 74.8514,
60.4024

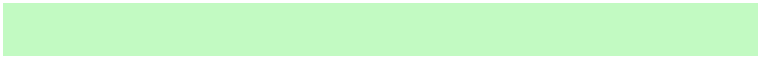
■ 43.9450, 74.2939,
56.2831

■ 43.7507, 74.2095,
55.5608

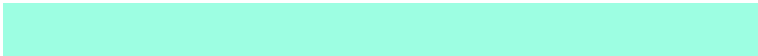
Harmonies

Analogous

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



66.0953, 83.5427, 63.5819



63.0739, 83.5427, 84.7525



64.1502, 83.5427, 112.1142

Triad

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



63.0739, 83.5427, 84.7525



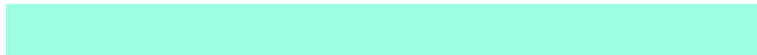
86.4821, 83.5427, 146.2885



90.6169, 83.5427, 56.1983

Complementary

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



63.0739, 83.5427, 84.7525



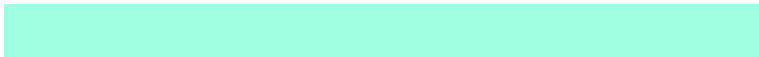
61.6898, 48.6897, 52.0488

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.



96.9042, 83.5427, 72.6562



63.0739, 83.5427, 84.7525



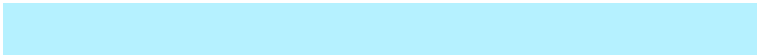
94.3909, 83.5427, 125.2566

Square

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



63.0739, 83.5427, 84.7525



77.2053, 83.5427, 151.2488



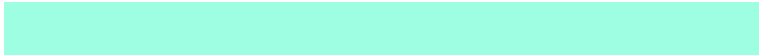
98.3362, 83.5427, 97.4714



81.6457, 83.5427, 49.2974

Rectangle

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



63.0739, 83.5427, 84.7525



67.0896, 83.5427, 130.0391



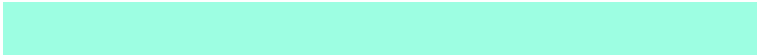
98.3362, 83.5427, 97.4714



93.1419, 83.5427, 60.6236

Sweetspot

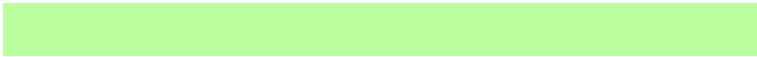
The Sweet Spot groups the original color and five complimentary colors.



63.0763, 83.5461, 84.7544



84.1962, 94.5521, 101.7295



61.8042, 83.7731, 44.8121



17.7576, 20.1058, 21.5904



0.0000, 0.0000, 0.0000



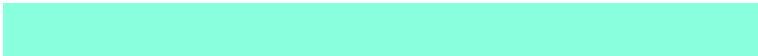
20.3446, 21.4041, 23.3091

Same Dimension

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



63.0763, 83.5461, 84.7544



59.2611, 82.1255, 81.2311



61.3905, 73.5148, 104.7240



18.3182, 20.3868, 21.9785



23.1321, 39.1494, 29.6446



2.2997, 3.8308, 3.1359

Inverse Universe

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



61.6898, 48.6897, 52.0488



57.6899, 42.3128, 43.9364



62.5654, 54.7153, 39.1632



18.2250, 18.0733, 19.8020



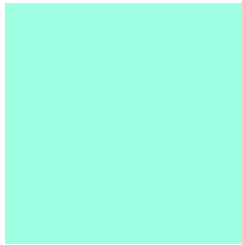
22.2434, 11.3867, 4.6665



2.2106, 1.1266, 0.6907

Previews

White Background



This preview shows how the XYZ color 63.0739, 83.5427, 84.7525 looks on a white background.

Color Contrast Check

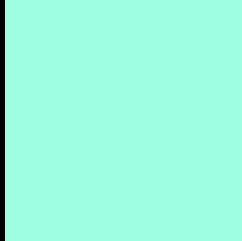
Large Text (above 18pt) WCAG AA × Fail

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 63.0739, 83.5427, 84.7525 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

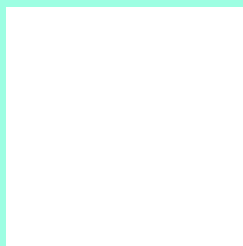
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.0739, 83.5427, 84.7525

Background



This preview shows how black text looks on a background with the XYZ color 63.0739, 83.5427, 84.7525.



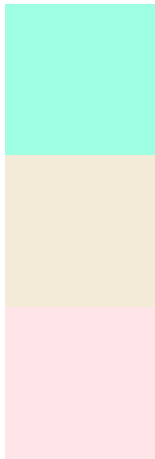
This preview shows how white text looks on a background with the XYZ color 63.0739, 83.5427,

84.7525.

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

63.0739, 83.5427, 84.7525

Protanopia

78.6507, 82.8066, 76.1279

Deuteranopia

83.5489, 82.5730, 87.8786



Tritanopia

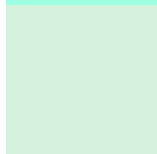
73.3893, 83.3270, 106.8234

Trichromacy



Original Color

63.0739, 83.5427, 84.7525



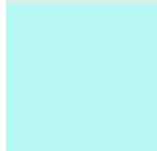
Protanomaly

71.3929, 82.0221, 79.0869



Deuteranomaly

73.7805, 81.3416, 86.6748



Tritanomaly

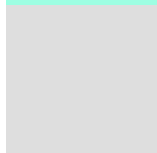
69.1183, 83.1205, 97.9889

Monochromacy



Original Color

63.0739, 83.5427, 84.7525



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

66.0308, 76.1791, 81.0359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.0739, 83.5427, 84.7525 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(157, 254, 226)` looks like.

```
.text, #text, p{  
    color:rgb(157, 254, 226)  
}
```

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(157, 254, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 254, 226) }
```

Border

The CSS property to change the border of an element to XYZ 63.0739, 83.5427, 84.7525 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(157, 254, 226) }
```


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

```
.border{ border-color:rgb(157, 254, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 254, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 254, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 254, 226);  
box-shadow:4px 4px 4px 4px rgb(157, 254,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 63.0739, 83.5427, 84.7525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 254, 226) }
```

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

```
.background{ background-color: rgb(157,  
254, 226) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor