

Converting Colors

XYZ(69.8643, 97.7237, 79.5285)

Have a look what the booklet for
XYZ(69.8643, 97.7237, 79.5285)
contains.

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Color

**XYZ(63.1300, 84.2128,
77.2174)**

Conversions

Conversions Part 1

Format	Color
Hex	A3FFD7
RGB	163, 255, 215
RGB Percent	64%, 100%, 84%
CMY	0.3608, 0.0000, 0.1569
CMYK	0.36, 0.00, 0.16, 0.00
HSL	154°, 100%, 82%
HSV	154°, 36%, 100%
XYZ	63.1300, 84.2128, 77.2174
YIQ	222.9320, -41.9920, -31.9440

Conversions

Conversions Part 2

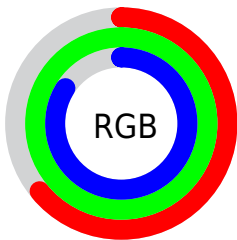
Format	Color
RYB	163, 222, 255
Decimal	10747863
CIELab	93.54, -35.92, 10.51
CIELCh	94, 37.424, 163.684
Yxy	84.2128, 0.2811, 0.3750
Android (android.graphics.Color)	4288937943 (0xFFA3FFD7)
YUV	222.9320, -3.9105, -52.5604
Hunter-Lab	91.7675, -37.7970, 14.3480

Details

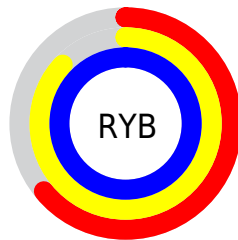
The XYZ color **63.1300, 84.2128, 77.2174** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **65.1172, 51.7671, 63.0603**, and the grayscale version is **70.1391, 73.7918, 80.3593**.

A 20% lighter version of the original color is **83.3252, 93.9556, 108.3513**, and **32.6027, 46.0520, 40.4283** is the 20% darker color. If you saturate the color by 10%, you get **57.0481, 81.2365, 69.7470**, and if you desaturate by 10%, it is **70.3627, 87.7712, 85.2484**.

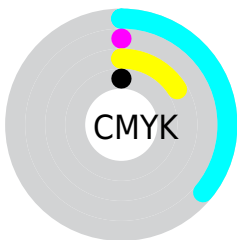
Distribution



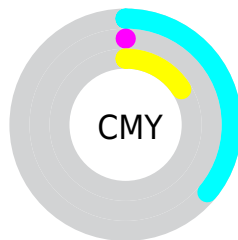
- Red (64%)
- Green (100%)
- Blue (84%)



- Red (64%)
- Yellow (87%)
- Blue (100%)



- Cyan (36%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (36%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.1300, 84.2128, 77.2174 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 63.1300, 84.2128, 77.2174 by changing the saturation by 10% instead.


 63.1300, 84.2128,
77.2174


 63.1300, 84.2128,
77.2174


425.6933,
509.0196, 504.9623

 46.2054, 63.1911,
56.9187


 108.4378,
139.2728, 131.2221

 32.6133, 45.9959,
40.5310


 137.5517,
174.0800, 165.7652

 21.9882, 32.2426,
27.6359


171.4595,
214.2511, 205.8936

 13.9648, 21.5468,
17.8147

210.5265,
260.1705, 252.0256

 8.1777, 13.5243,
10.6490

255.1180,
312.2227, 304.5800

 4.2616, 7.7906,
5.7201

305.5994,

 1.8512, 3.9612,

370.7920, 363.9752

2.6096

362.3360,
436.2629, 430.6298

■ 0.5482, 1.6519,
0.8974

■ 0.0000, 0.3922,
0.0000

■ 63.1300, 84.2128,
77.2174

■ 63.1300, 84.2128,
77.2174

■ 57.0481, 81.2365,
69.7470

■ 70.3627, 87.7712,
85.2484

■ 52.0490, 78.8075,
62.8200

■ 78.8040, 91.9412,
93.8483

■ 48.0610, 76.8891,
56.4243

■ 88.5105, 96.7519,
103.0303

■ 45.0025, 75.4393,
50.5454

95.0500, 100.0000,
108.9000

■ 42.7778, 74.4092,
45.1680

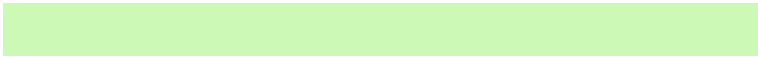
■ 41.2687, 73.7380,
40.2751

■ 40.8042, 73.5377,
38.4825

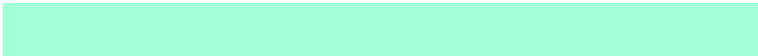
Harmonies

Analogous

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



67.6028, 84.2128, 57.6546



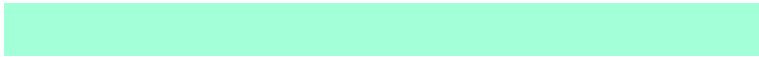
63.1300, 84.2128, 77.2174



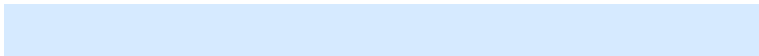
62.9371, 84.2128, 105.2025

Triad

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



63.1300, 84.2128, 77.2174



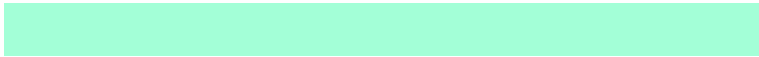
84.6293, 84.2128, 155.5041



94.6091, 84.2128, 58.9633

Complementary

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



63.1300, 84.2128, 77.2174



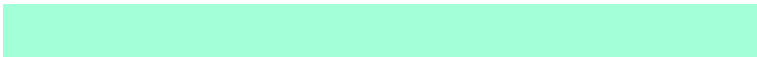
65.1172, 51.7671, 63.0603

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.



99.9945, 84.2128, 79.3934



63.1300, 84.2128, 77.2174



93.9199, 84.2128, 137.0288

Square

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



63.1300, 84.2128, 77.2174



74.8132, 84.2128, 154.5848



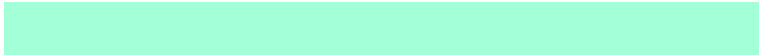
99.7324, 84.2128, 107.8742



85.5084, 84.2128, 48.6987

Rectangle

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



63.1300, 84.2128, 77.2174



65.2263, 84.2128, 125.3683



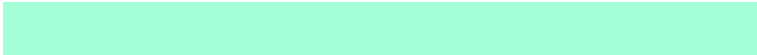
99.7324, 84.2128, 107.8742



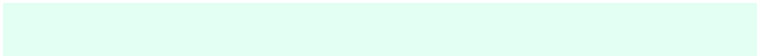
96.9462, 84.2128, 64.6632

Sweetspot

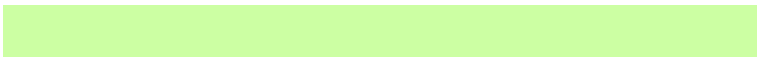
The Sweet Spot groups the original color and five complimentary colors.



63.1308, 84.2132, 77.2188



83.5709, 94.3020, 98.4369



67.3831, 87.0586, 47.9041



17.6082, 20.0461, 20.8041



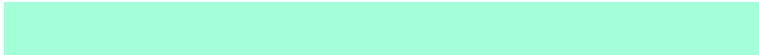
0.0000, 0.0000, 0.0000



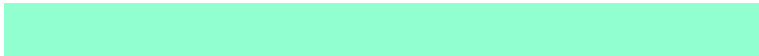
20.3446, 21.4041, 23.3091

Same Dimension

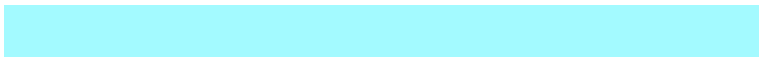
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.1308, 84.2132, 77.2188



58.8014, 82.0926, 71.9877



67.4649, 83.6270, 107.1936



18.2017, 20.3402, 21.3650



21.3975, 38.4556, 20.5101



2.1383, 3.7662, 2.2860

Inverse Universe

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



65.1172, 51.7671, 63.0603



61.0472, 45.4692, 56.0243



61.7805, 51.7631, 41.3867



18.3373, 18.1182, 20.3935



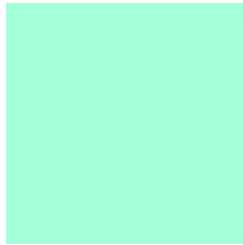
23.1159, 11.7357, 9.2609



2.3044, 1.1641, 1.1842

Previews

White Background



This preview shows how the XYZ color 63.1300, 84.2128, 77.2174 looks on a white background.

Color Contrast Check

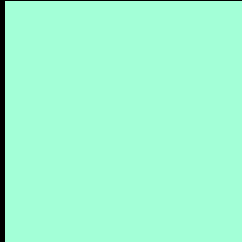
Large Text (above 18pt) WCAG AA × Fail

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 63.1300, 84.2128, 77.2174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

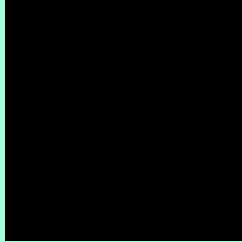
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

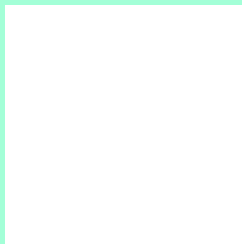
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.1300, 84.2128, 77.2174

Background



This preview shows how black text looks on a background with the XYZ color 63.1300, 84.2128, 77.2174.

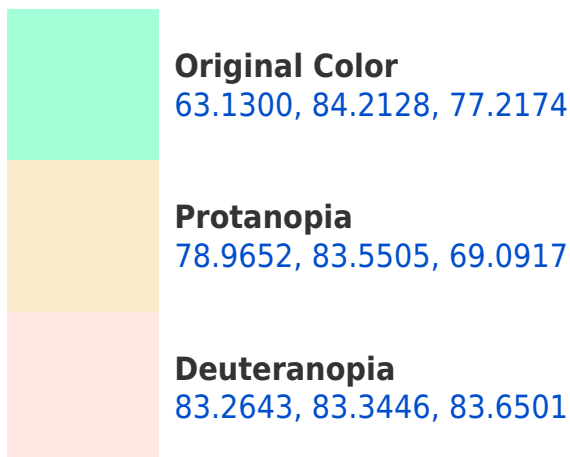


This preview shows how white text looks on a background with the XYZ color 63.1300, 84.2128,

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

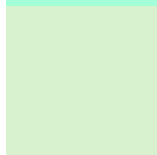
74.4577, 83.8777, 106.8734

Trichromacy



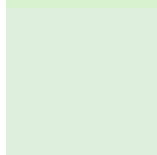
Original Color

63.1300, 84.2128, 77.2174



Protanomaly

71.4562, 82.6573, 71.8628



Deuteranomaly

74.1755, 82.5365, 81.1289



Tritanomaly

69.7280, 83.5042, 94.8809

Monochromacy



Original Color

63.1300, 84.2128, 77.2174



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

66.7140, 77.0015, 79.0567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.1300, 84.2128, 77.2174 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(163, 255, 215)` looks like.

```
.text, #text, p{  
    color:rgb(163, 255, 215)  
}
```

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(163, 255, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 255, 215) }
```

Border

The CSS property to change the border of an element to XYZ 63.1300, 84.2128, 77.2174 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(163, 255, 215) }
```


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

```
.border{ border-color:rgb(163, 255, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 255, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 255, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 255, 215);  
box-shadow:4px 4px 4px 4px rgb(163, 255,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 63.1300, 84.2128, 77.2174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 255, 215) }
```

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

```
.background{ background-color: rgb(163,  
255, 215) }
```

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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