

Converting Colors

XYZ(63.8375, 84.4258, 84.1068)

Have a look what the booklet for
XYZ(63.8375, 84.4258, 84.1068)
contains.

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Color

**XYZ(63.8478, 84.4298,
84.1656)**

Conversions

Conversions Part 1

Format	Color
Hex	A0FFE1
RGB	160, 255, 225
RGB Percent	63%, 100%, 88%
CMY	0.3725, 0.0000, 0.1176
CMYK	0.37, 0.00, 0.12, 0.00
HSL	161°, 100%, 81%
HSV	161°, 37%, 100%
XYZ	63.8478, 84.4298, 84.1656
YIQ	223.1750, -46.9900, -29.4700

Conversions

Conversions Part 2

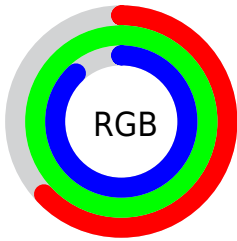
Format	Color
RYB	160, 216, 255
Decimal	10551265
CIELab	93.64, -34.68, 5.48
CIELCh	94, 35.105, 171.021
Yxy	84.4298, 0.2747, 0.3632
Android (android.graphics.Color)	4288741345 (0xFFA0FFE1)
YUV	223.1750, 0.8997, -55.4045
Hunter-Lab	91.8857, -36.7672, 10.0114

Details

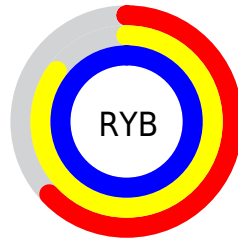
The XYZ color **63.8478, 84.4298, 84.1656** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **63.1057, 50.1204, 55.0640**, and the grayscale version is **70.2813, 73.9414, 80.5222**.

A 20% lighter version of the original color is **82.7234, 93.6454, 108.3231**, and **33.1587, 46.2335, 45.2065** is the 20% darker color. If you saturate the color by 10%, you get **58.1897, 81.6369, 78.3018**, and if you desaturate by 10%, it is **70.6049, 87.7833, 90.3541**.

Distribution



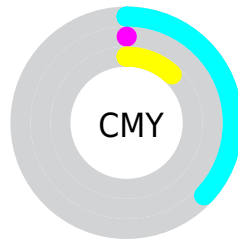
- Red (63%)
- Green (100%)
- Blue (88%)



- Red (63%)
- Yellow (85%)
- Blue (100%)



- Cyan (37%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (37%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.8478, 84.4298, 84.1656 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 63.8478, 84.4298, 84.1656 by changing the saturation by 10% instead.


 63.8478, 84.4298,
84.1656


 63.8478, 84.4298,
84.1656


428.2507,
509.7394, 528.9354

 46.7886, 63.3703,
62.6060


 109.4667,
139.5762, 141.0706

 33.0758, 46.1409,
45.0836


 138.7571,
174.4320, 177.2531

 22.3441, 32.3570,
31.1798


172.8553,
214.6554, 219.1469

 14.2279, 21.6343,
20.4762

212.1267,
260.6307, 267.1706

 8.3621, 13.5885,
12.5542

256.9365,
312.7423, 321.7428

 4.3813, 7.8350,
6.9952

307.6503,

 1.9200, 3.9895,

371.3748, 383.2820

3.3807

364.6332,
436.9123, 452.2066

■ 0.5884, 1.6677,
1.2921

■ 0.0000, 0.4026,
0.0553

■ 63.8478, 84.4298,
84.1656

■ 63.8478, 84.4298,
84.1656

■ 58.1897, 81.6369,
78.3018

■ 70.6049, 87.7833,
90.3541

■ 53.5629, 79.3698,
72.7517

■ 78.5180, 91.7266,
96.8693

■ 49.8962, 77.5917,
67.5096

■ 87.6430, 96.2886,
103.7189

■ 47.1076, 76.2606,
62.5677

■ 95.0500, 100.0000,
108.9000

■ 45.1009, 75.3270,
57.9177

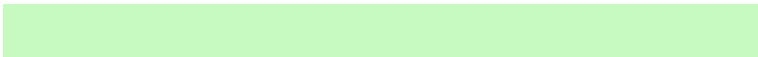
■ 43.7524, 74.7271,
53.5497

■ 43.4465, 74.5946,
52.3966

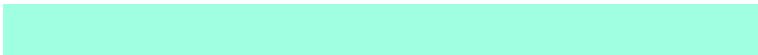
Harmonies

Analogous

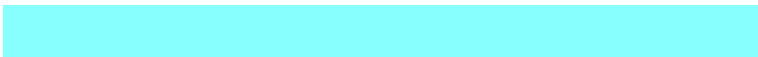
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.1329, 84.4298, 63.3291



63.8478, 84.4298, 84.1656



64.6852, 84.4298, 111.5533

Triad

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



63.8478, 84.4298, 84.1656



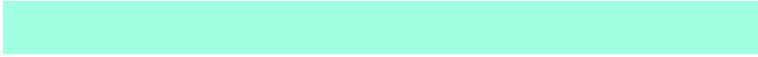
86.8356, 84.4298, 148.5057



92.0313, 84.4298, 57.5856

Complementary

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



63.8478, 84.4298, 84.1656



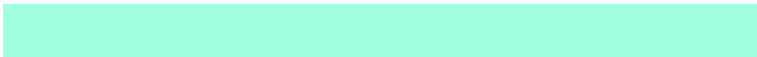
63.1057, 50.1204, 55.0640

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.



98.1259, 84.4298, 74.7540



63.8478, 84.4298, 84.1656



94.9688, 84.4298, 128.0576

Square

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



63.8478, 84.4298, 84.1656



77.4891, 84.4298, 152.3675



99.2405, 84.4298, 100.1572



83.0716, 84.4298, 50.0522

Rectangle

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



63.8478, 84.4298, 84.1656



67.4973, 84.4298, 129.8099



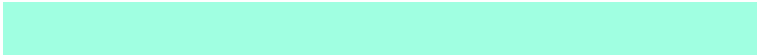
99.2405, 84.4298, 100.1572



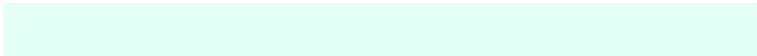
94.5111, 84.4298, 62.2445

Sweetspot

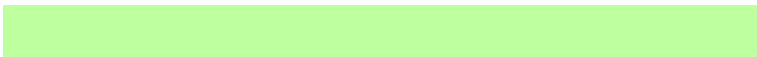
The Sweet Spot groups the original color and five complimentary colors.



63.8487, 84.4302, 84.1670



84.0792, 94.5053, 101.1133



63.3620, 85.0163, 46.3294



17.7296, 20.0946, 21.4431



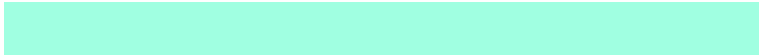
0.0000, 0.0000, 0.0000



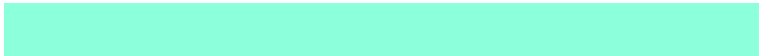
20.3446, 21.4041, 23.3091

Same Dimension

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



63.8487, 84.4302, 84.1670



59.3726, 82.2193, 79.5959



63.0013, 75.6009, 105.8797



18.2964, 20.3781, 21.8638



22.7724, 39.0056, 27.7506



2.2668, 3.8177, 2.9629

Inverse Universe

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



63.1057, 50.1204, 55.0640



58.5393, 43.2432, 46.5881



63.3905, 55.4083, 40.6129



18.2457, 18.0816, 19.9108



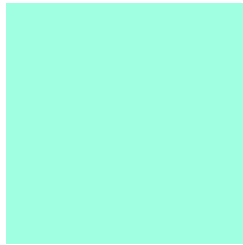
22.3748, 11.4392, 5.3583



2.2256, 1.1326, 0.7693

Previews

White Background



This preview shows how the XYZ color 63.8478, 84.4298, 84.1656 looks on a white background.

Color Contrast Check

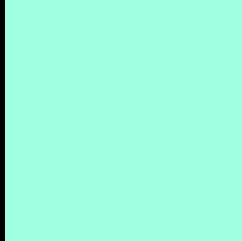
Large Text (above 18pt) WCAG AA × Fail

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 63.8478, 84.4298, 84.1656 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 63.8478, 84.4298, 84.1656

Background



This preview shows how black text looks on a background with the XYZ color 63.8478, 84.4298, 84.1656.



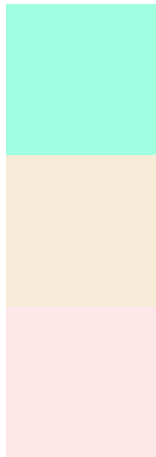
This preview shows how white text looks on a background with the XYZ color 63.8478, 84.4298,

84.1656.

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

63.8478, 84.4298, 84.1656

Protanopia

79.5021, 83.6842, 75.5808

Deuteranopia

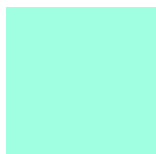
84.1023, 83.6798, 88.0631



Tritanopia

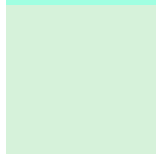
74.4577, 83.8777, 106.8734

Trichromacy



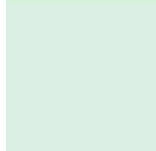
Original Color

63.8478, 84.4298, 84.1656



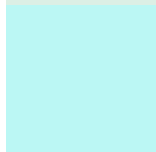
Protanomaly

72.1386, 82.8624, 78.5216



Deuteranomaly

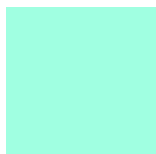
74.5246, 82.6058, 86.1454



Tritanomaly

70.0834, 83.6180, 98.0340

Monochromacy



Original Color

63.8478, 84.4298, 84.1656



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

66.9823, 77.0778, 81.8682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8478, 84.4298, 84.1656 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(160, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(160, 255, 225)  
}
```

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(160, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 255, 225) }
```

Border

The CSS property to change the border of an element to XYZ 63.8478, 84.4298, 84.1656 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(160, 255, 225) }
```


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

```
.border{ border-color:rgb(160, 255, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 255, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(160, 255, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(160, 255, 225); box-shadow:4px 4px 4px 4px rgb(160, 255, 225) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8478, 84.4298, 84.1656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 255, 225) }
```

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

```
.background{ background-color: rgb(160,  
255, 225) }
```

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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