

# Converting Colors

XYZ(63.2274, 84.1967, 80.2170)

Have a look what the booklet for  
XYZ(63.2274, 84.1967, 80.2170)  
contains.

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# Color

**XYZ(63.2441, 84.2115,  
79.9390)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1FFDB
RGB	161, 255, 219
RGB Percent	63%, 100%, 86%
CMY	0.3686, 0.0000, 0.1412
CMYK	0.37, 0.00, 0.14, 0.00
HSL	157°, 100%, 82%
HSV	157°, 37%, 100%
XYZ	63.2441, 84.2115, 79.9390
YIQ	222.7900, -44.4680, -31.1240

# Conversions

## Conversions Part 2

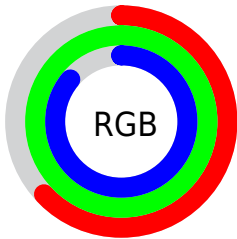
<b>Format</b>	<b>Color</b>
<b>RYB</b>	161, 219, 255
Decimal	10616795
CIELab	93.54, -35.65, 8.44
CIELCh	94, 36.638, 166.680
Yxy	84.2115, 0.2781, 0.3703
Android (android.graphics.Color)	4288806875 (0xFFA1FFDB)
YUV	222.7900, -1.8685, -54.1898
Hunter-Lab	91.7668, -37.5728, 12.5887

# Details

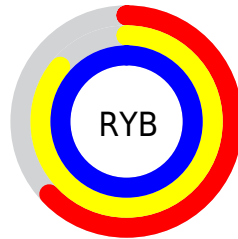
The XYZ color **63.2441, 84.2115, 79.9390** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **64.0635, 50.7819, 59.2491**, and the grayscale version is **70.0255, 73.6723, 80.2292**.

A 20% lighter version of the original color is **83.0234, 93.8001, 108.3372**, and **32.7206, 46.0718, 42.2901** is the 20% darker color. If you saturate the color by 10%, you get **57.3707, 81.3279, 73.1492**, and if you desaturate by 10%, it is **70.2425, 87.6664, 87.1779**.

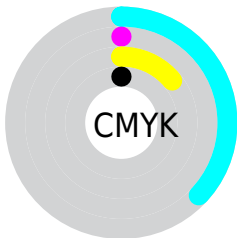
# Distribution



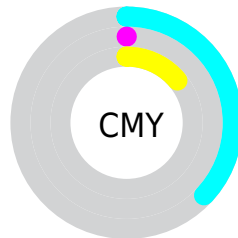
- Red (63%)
- Green (100%)
- Blue (86%)



- Red (63%)
- Yellow (86%)
- Blue (100%)



- Cyan (37%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)



- Cyan (37%)
- Magenta (0%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.2441, 84.2115, 79.9390 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 63.2441, 84.2115, 79.9390 by changing the saturation by 10% instead.





 63.2441, 84.2115,  
79.9390


 63.2441, 84.2115,  
79.9390


426.1004,  
509.0153, 514.4286

 46.2981, 63.1901,  
59.1423


 108.6014,  
139.2710, 135.0906

 32.6867, 45.9950,  
42.3069


 137.7435,  
174.0778, 170.2825

 22.0447, 32.2419,  
29.0143


171.6816,  
214.2486, 211.1100

 14.0065, 21.5463,  
18.8460

210.7811,  
260.1677, 257.9915

 8.2069, 13.5239,  
11.3834

255.4074,  
312.2196, 311.3455

 4.2806, 7.7903,  
6.2079

305.9258,

 1.8620, 3.9611,

370.7885, 371.5907

2.9011

362.7017,  
436.2590, 439.1456

■ 0.5546, 1.6518,  
1.0443

■ 0.0000, 0.3922,  
0.0000

■ 63.2441, 84.2115,  
79.9390

■ 63.2441, 84.2115,  
79.9390

■ 57.3707, 81.3279,  
73.1492

■ 70.2425, 87.6664,  
87.1779

■ 52.5543, 78.9806,  
66.7947

■ 78.4233, 91.7219,  
94.8712

■ 48.7234, 77.1329,  
60.8665

■ 87.8429, 96.4071,  
103.0290

■ 45.7958, 75.7427,  
55.3537

95.0500, 100.0000,  
108.9000

■ 43.6756, 74.7605,  
50.2447

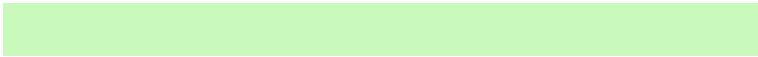
■ 42.2411, 74.1240,  
45.5262

■ 41.8752, 73.9661,  
44.1220

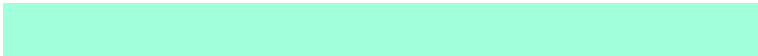
# Harmonies

## Analogous

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



67.2359, 84.2115, 59.7383



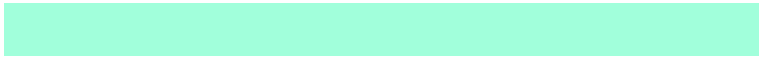
63.2441, 84.2115, 79.9390



63.4860, 84.2115, 107.8763

# Triad

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



63.2441, 84.2115, 79.9390



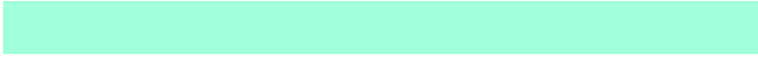
85.5083, 84.2115, 152.8952



93.5163, 84.2115, 58.0914

# Complementary

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



63.2441, 84.2115, 79.9390



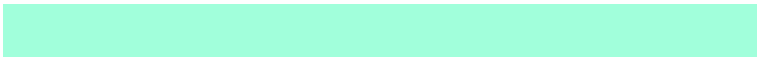
64.0635, 50.7819, 59.2491

# 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.



99.2483, 84.2115, 77.2132



63.2441, 84.2115, 79.9390



94.3756, 84.2115, 133.3907

# Square

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



63.2441, 84.2115, 79.9390



75.8240, 84.2115, 154.0365



99.5750, 84.2115, 104.5440

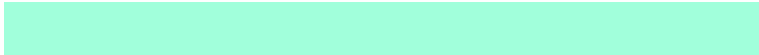


84.4105, 84.2115, 48.9515



# Rectangle

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



63.2441, 84.2115, 79.9390



66.0083, 84.2115, 127.4030



99.5750, 84.2115, 104.5440



95.9325, 84.2115, 63.3681

# Sweetspot

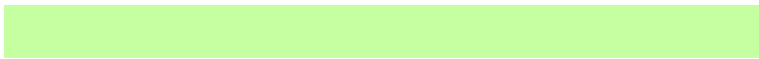
The Sweet Spot groups the original color and five complimentary colors.



63.2449, 84.2119, 79.9404



83.7911, 94.3901, 99.5961



65.2284, 85.9683, 46.8751



17.6608, 20.0671, 21.0807



0.0000, 0.0000, 0.0000

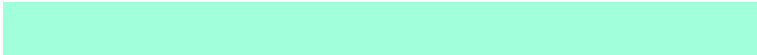


20.3446, 21.4041, 23.3091

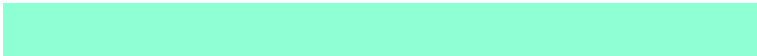


# Same Dimension

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



63.2449, 84.2119, 79.9404



58.9407, 82.0968, 75.0476



65.1093, 79.5190, 106.5248



18.2427, 20.3566, 21.5812



21.9558, 38.6789, 23.4504



2.1911, 3.7874, 2.5643



# Inverse Universe

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



64.0635, 50.7819, 59.2491



59.8708, 44.3803, 51.7364



62.4199, 53.3266, 40.7226



18.2972, 18.1022, 20.1824



22.7594, 11.5931, 7.3837

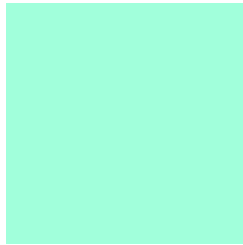


2.2673, 1.1493, 0.9893



# Previews

## White Background



This preview shows how the XYZ color 63.2441, 84.2115, 79.9390 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

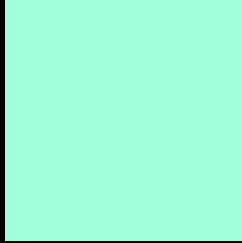
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.2441, 84.2115, 79.9390 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 63.2441, 84.2115, 79.9390

## Background



This preview shows how black text looks on a background with the XYZ color 63.2441, 84.2115, 79.9390.



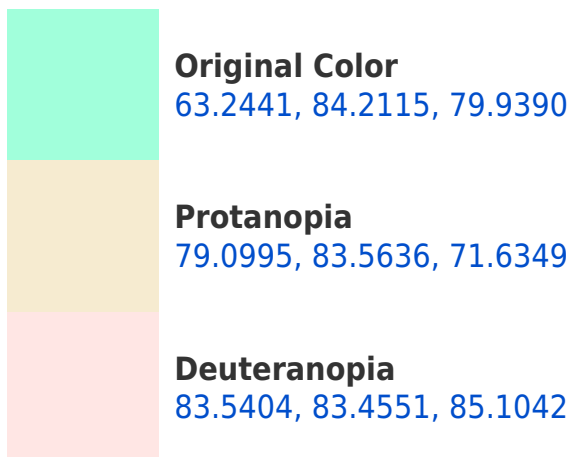
This preview shows how white text looks on a background with the XYZ color 63.2441, 84.2115,

79.9390.

# 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

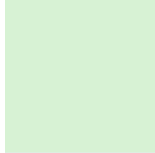
74.4577, 83.8777, 106.8734

# Trichromacy



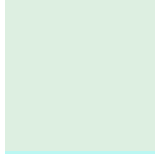
## Original Color

63.2441, 84.2115, 79.9390



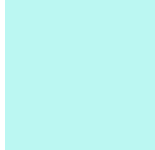
## Protanomaly

71.6601, 82.7048, 74.4741



## Deuteranomaly

74.2759, 82.5414, 83.2515



## Tritanomaly

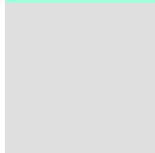
69.7813, 83.4971, 96.4431

# Monochromacy



## Original Color

63.2441, 84.2115, 79.9390



## Achromatopsia

70.1384, 73.7910, 80.3584



## Achromatomaly

66.7126, 76.9699, 80.4478

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.2441, 84.2115, 79.9390 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(161, 255, 219)` looks like.

```
.text, #text, p{  
    color:rgb(161, 255, 219)  
}
```

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(161, 255, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 255, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 63.2441, 84.2115, 79.9390 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(161, 255, 219) }
```



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

```
.border{ border-color:rgb(161, 255, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 255, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 255, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 255, 219); box-shadow:4px 4px 4px 4px rgb(161, 255, 219) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.2441, 84.2115, 79.9390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 255, 219) }
```

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

```
.background{ background-color: rgb(161,  
255, 219) }
```

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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