

Converting Colors

XYZ(63.6986, 84.5060, 77.2408)

Have a look what the booklet for
XYZ(63.6986, 84.5060, 77.2408)
contains.

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Color

**XYZ(63.7516, 84.5333,
77.2465)**

Conversions

Conversions Part 1

Format	Color
Hex	A6FFD7
RGB	166, 255, 215
RGB Percent	65%, 100%, 84%
CMY	0.3490, 0.0000, 0.1569
CMYK	0.35, 0.00, 0.16, 0.00
HSL	153°, 100%, 83%
HSV	153°, 35%, 100%
XYZ	63.7516, 84.5333, 77.2465
YIQ	223.8290, -40.2040, -31.3080

Conversions

Conversions Part 2

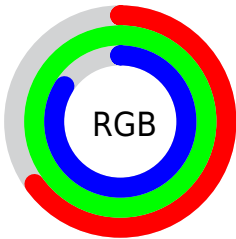
Format	Color
RYB	166, 223, 255
Decimal	10944471
CIELab	93.68, -35.09, 10.73
CIELCh	94, 36.692, 162.996
Yxy	84.5333, 0.2827, 0.3748
Android (android.graphics.Color)	4289134551 (0xFFA6FFD7)
YUV	223.8290, -4.3527, -50.7160
Hunter-Lab	91.9420, -37.1285, 14.5460

Details

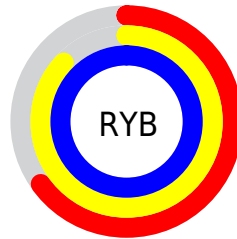
The XYZ color **63.7516, 84.5333, 77.2465** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **66.0172, 52.9895, 65.1411**, and the grayscale version is **70.7799, 74.4660, 81.0934**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **32.9697, 46.2412, 40.4455** is the 20% darker color. If you saturate the color by 10%, you get **57.5042, 81.4769, 69.5348**, and if you desaturate by 10%, it is **71.1634, 88.1780, 85.5540**.

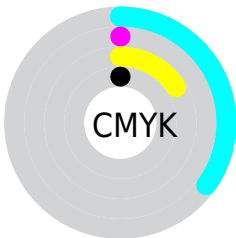
Distribution



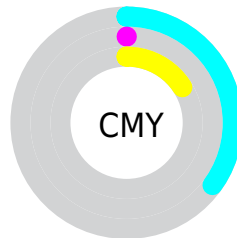
- Red (65%)
- Green (100%)
- Blue (84%)



- Red (65%)
- Yellow (87%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.7516, 84.5333, 77.2465 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 63.7516, 84.5333, 77.2465 by changing the saturation by 10% instead.


 63.7516, 84.5333,
77.2465


 63.7516, 84.5333,
77.2465


427.9085,
510.0825, 505.0640

 46.7104, 63.4558,
56.9424


 109.3289,
139.7209, 131.2636

 33.0138, 46.2101,
40.5500


 138.5957,
174.5999, 165.8137

 22.2963, 32.4116,
27.6506


172.6684,
214.8482, 205.9495

 14.1926, 21.6761,
17.8257

211.9124,
260.8501, 252.0897

 8.3373, 13.6191,
10.6568

256.6931,
312.9901, 304.6526

 4.3652, 7.8562,
5.7253

307.3758,

 1.9107, 4.0031,

371.6526, 364.0570

2.6127

364.3258,
437.2219, 430.7213

■ 0.5831, 1.6753,
0.8990

■ 0.0000, 0.4076,
0.0000

■ 63.7516, 84.5333,
77.2465

■ 63.7516, 84.5333,
77.2465

■ 57.5042, 81.4769,
69.5348

■ 71.1634, 88.1780,
85.5540

■ 52.3540, 78.9744,
62.4007

■ 79.7972, 92.4406,
94.4665

■ 48.2298, 76.9894,
55.8309

■ 89.7093, 97.3497,
103.9984

■ 45.0510, 75.4807,
49.8100

95.0500, 100.0000,
108.9000

■ 42.7237, 74.4000,
44.3215

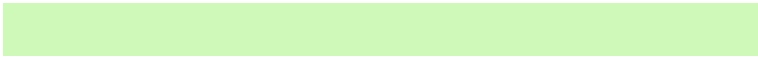
■ 41.1330, 73.6884,
39.3474

■ 40.5229, 73.4252,
37.0011

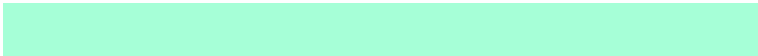
Harmonies

Analogous

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



68.2522, 84.5333, 58.1541



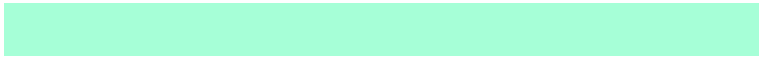
63.7516, 84.5333, 77.2465



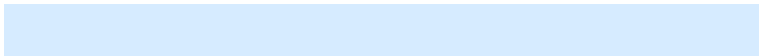
63.4618, 84.5333, 104.6241

Triad

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



63.7516, 84.5333, 77.2465



84.6272, 84.5333, 154.7388



94.8205, 84.5333, 60.1271

Complementary

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



63.7516, 84.5333, 77.2465



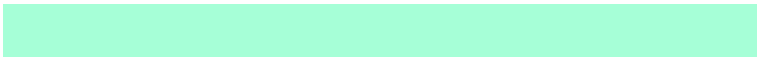
66.0172, 52.9895, 65.1411

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.



99.9880, 84.5333, 80.5121



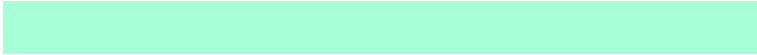
63.7516, 84.5333, 77.2465



93.7910, 84.5333, 137.0529

Square

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



63.7516, 84.5333, 77.2465



74.9987, 84.5333, 153.3715



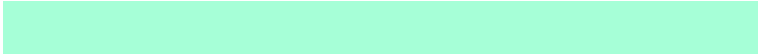
99.5966, 84.5333, 108.6164



85.9423, 84.5333, 49.7262

Rectangle

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



63.7516, 84.5333, 77.2465



65.6554, 84.5333, 124.4107



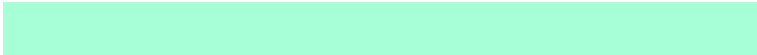
99.5966, 84.5333, 108.6164



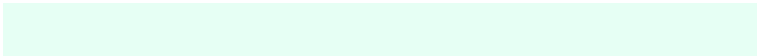
97.0800, 84.5333, 65.8400

Sweetspot

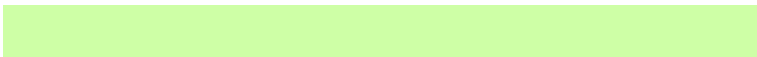
The Sweet Spot groups the original color and five complimentary colors.



63.7524, 84.5336, 77.2479



84.4922, 94.7641, 99.0600



68.1110, 87.4024, 49.3580



17.7898, 20.1374, 20.9177



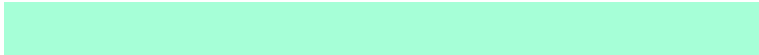
0.0000, 0.0000, 0.0000



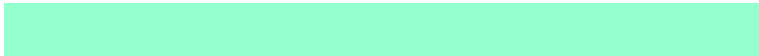
20.3446, 21.4041, 23.3091

Same Dimension

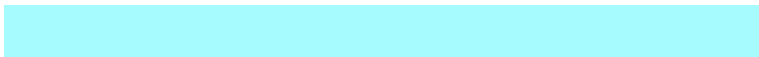
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.7524, 84.5336, 77.2479



59.2008, 82.3050, 71.7122



68.1332, 84.0408, 107.2382



18.1901, 20.3356, 21.3041



21.2505, 38.3968, 19.7361



2.1242, 3.7606, 2.2117

Inverse Universe

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



66.0172, 52.9895, 65.1411



61.7819, 46.3955, 57.9435



62.5828, 52.9325, 42.9960



18.3487, 18.1228, 20.4534



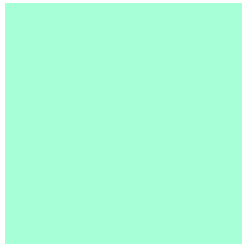
23.2266, 11.7799, 9.8437



2.3156, 1.1686, 1.2434

Previews

White Background



This preview shows how the XYZ color 63.7516, 84.5333, 77.2465 looks on a white background.

Color Contrast Check

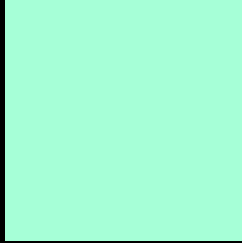
Large Text (above 18pt) WCAG AA × Fail

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 63.7516, 84.5333, 77.2465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

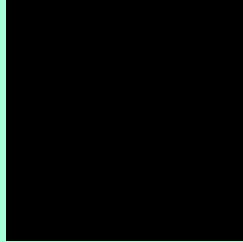
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.7516, 84.5333, 77.2465

Background



This preview shows how black text looks on a background with the XYZ color 63.7516, 84.5333, 77.2465.

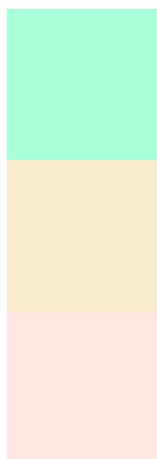


This preview shows how white text looks on a background with the XYZ color 63.7516, 84.5333,

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

63.7516, 84.5333, 77.2465

Protanopia

79.0855, 83.5986, 69.7255

Deuteranopia

83.2643, 83.3446, 83.6501



Tritanopia

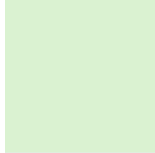
75.0024, 84.1586, 106.8989

Trichromacy



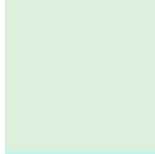
Original Color

63.7516, 84.5333, 77.2465



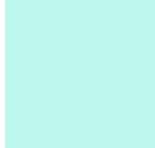
Protanomaly

72.1742, 83.0131, 72.5408



Deuteranomaly

74.4827, 82.6949, 81.1433



Tritanomaly

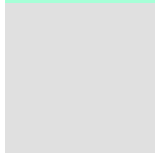
70.2241, 83.7599, 94.9042

Monochromacy



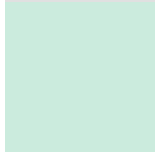
Original Color

63.7516, 84.5333, 77.2465



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.3881, 77.3336, 79.7818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7516, 84.5333, 77.2465 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(166, 255, 215)` looks like.

```
.text, #text, p{  
    color:rgb(166, 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(166, 255, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 255, 215) }
```

Border

The CSS property to change the border of an element to XYZ 63.7516, 84.5333, 77.2465 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(166, 255, 215) }
```


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

```
.border{ border-color:rgb(166, 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(166, 255, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 255, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 255, 215);  
box-shadow:4px 4px 4px 4px rgb(166, 255,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7516, 84.5333, 77.2465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 255, 215) }
```

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

```
.background{ background-color: rgb(166,  
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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