

Converting Colors

XYZ(64.0632, 84.7814, 73.3096)

Have a look what the booklet for
XYZ(64.0632, 84.7814, 73.3096)
contains.

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Color

**XYZ(64.0632, 84.7814,
73.3096)**

Conversions

Conversions Part 1

Format	Color
Hex	ABFFD1
RGB	171, 255, 209
RGB Percent	67%, 100%, 82%
CMY	0.3294, 0.0000, 0.1804
CMYK	0.33, 0.00, 0.18, 0.00
HSL	147°, 100%, 84%
HSV	147°, 33%, 100%
XYZ	64.0632, 84.7814, 73.3096
YIQ	224.6400, -35.2980, -32.1140

Conversions

Conversions Part 2

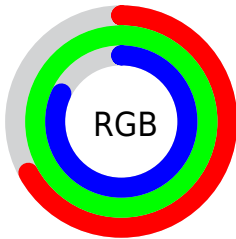
Format	Color
RYB	171, 229, 255
Decimal	11272145
CIELab	93.79, -34.84, 14.00
CIELCh	94, 37.546, 158.109
Yxy	84.7814, 0.2884, 0.3816
Android (android.graphics.Color)	4289462225 (0xFFABFFD1)
YUV	224.6400, -7.7105, -47.0423
Hunter-Lab	92.0768, -36.9416, 17.2483

Details

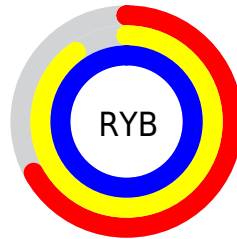
The XYZ color **64.0632, 84.7814, 73.3096** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **68.3276, 55.3963, 72.7368**, and the grayscale version is **71.3811, 75.0984, 81.7822**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **33.3129, 46.4677, 38.2237** is the 20% darker color. If you saturate the color by 10%, you get **57.3804, 81.5273, 64.3645**, and if you desaturate by 10%, it is **71.9705, 88.6491, 83.1058**.

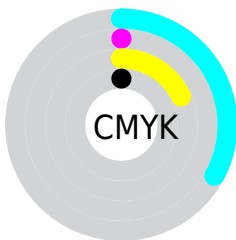
Distribution



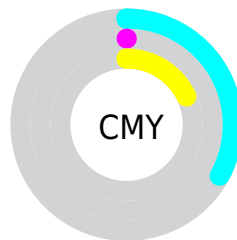
- Red (67%)
- Green (100%)
- Blue (82%)



- Red (67%)
- Yellow (90%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0632, 84.7814, 73.3096 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 64.0632, 84.7814, 73.3096 by changing the saturation by 10% instead.


 64.0632, 84.7814,
73.3096

 64.0632, 84.7814,
73.3096


429.0164,
510.9045, 491.1867

 46.9637, 63.6608,
53.7358


 109.7752,
140.0677, 125.6416

 33.2148, 46.3760,
37.9987


139.1184,
175.0022, 159.2369

 22.4511, 32.5426,
25.6799


173.2736,
215.3101, 198.3431

 14.3072, 21.7763,
16.3607

212.6061,
261.3758, 243.3788

 8.4178, 13.6926,
9.6226

257.4813,
313.5837, 294.7624

 4.4174, 7.9072,
5.0472

308.2645,

 1.9409, 4.0356,

372.3181, 352.9126

2.2157

365.3211,
437.9636, 418.2478

■ 0.6004, 1.6935,
0.6834

■ 0.0000, 0.4194,
0.0000

■ 64.0632, 84.7814,
73.3096

■ 64.0632, 84.7814,
73.3096

■ 57.3804, 81.5273,
64.3645

■ 71.9705, 88.6491,
83.1058

■ 51.8541, 78.8525,
56.2431

■ 81.1607, 93.1602,
93.7713

■ 47.4130, 76.7204,
48.9223

■ 91.6909, 98.3439,
105.3289

■ 43.9762, 75.0900,
42.3764

95.0500, 100.0000,
108.9000

■ 41.4510, 73.9139,
36.5781

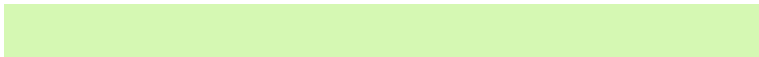
■ 39.7251, 73.1349,
31.4980

■ 38.8753, 72.7661,
28.3249

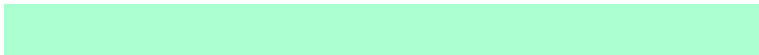
Harmonies

Analogous

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



69.3152, 84.7814, 55.4860



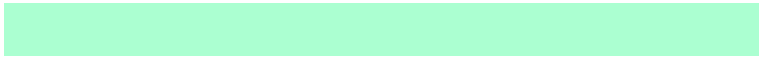
64.0632, 84.7814, 73.3096



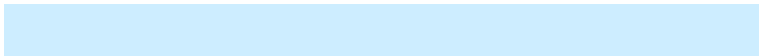
63.0464, 84.7814, 100.2797

Triad

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



64.0632, 84.7814, 73.3096



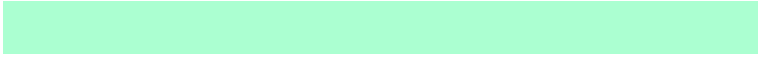
83.3181, 84.7814, 158.0708



96.6354, 84.7814, 62.3924

Complementary

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



64.0632, 84.7814, 73.3096



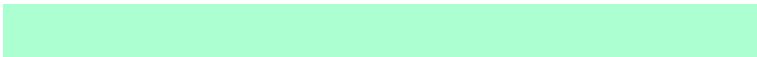
68.3276, 55.3963, 72.7368

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.



101.1009, 84.7814, 84.7790



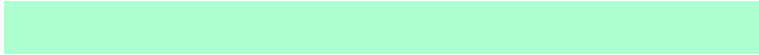
64.0632, 84.7814, 73.3096



93.0084, 84.7814, 142.6298

Square

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



64.0632, 84.7814, 73.3096



73.6405, 84.7814, 153.2381



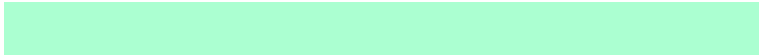
99.7215, 84.7814, 114.3446



87.9469, 84.7814, 50.1484

Rectangle

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



64.0632, 84.7814, 73.3096



64.8207, 84.7814, 120.6868



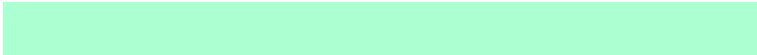
99.7215, 84.7814, 114.3446



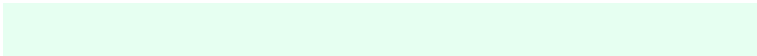
98.7115, 84.7814, 68.7754

Sweetspot

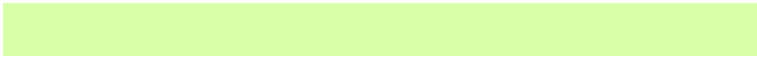
The Sweet Spot groups the original color and five complimentary colors.



64.0639, 84.7817, 73.3110



84.1155, 94.6134, 97.0762



71.7859, 89.2429, 51.9711



17.6988, 20.1009, 20.4381



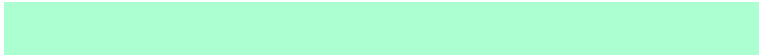
0.0000, 0.0000, 0.0000



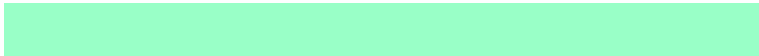
20.3446, 21.4041, 23.3091

Same Dimension

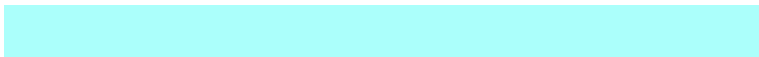
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.0639, 84.7817, 73.3110



59.2224, 82.4225, 66.9084



69.9361, 87.1306, 104.2335



18.1132, 20.3048, 20.8991



20.3861, 38.0510, 15.1845



2.0391, 3.7266, 1.7639

Inverse Universe

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



68.3276, 55.3963, 72.7368



64.1220, 48.6388, 66.2367



63.5610, 53.4897, 47.6360



18.4256, 18.1535, 20.8583



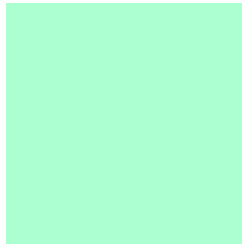
24.0847, 12.1232, 14.3625



2.4002, 1.2024, 1.6887

Previews

White Background



This preview shows how the XYZ color 64.0632, 84.7814, 73.3096 looks on a white background.

Color Contrast Check

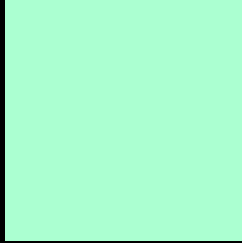
Large Text (above 18pt) WCAG AA × Fail

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 64.0632, 84.7814, 73.3096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

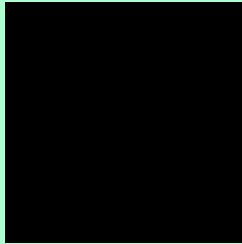
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.0632, 84.7814, 73.3096

Background



This preview shows how black text looks on a background with the XYZ color 64.0632, 84.7814, 73.3096.



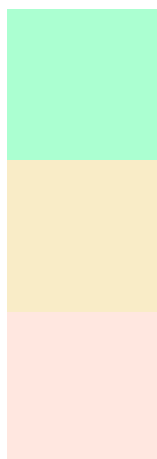
This preview shows how white text looks on a background with the XYZ color 64.0632, 84.7814,

73.3096.

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

64.0632, 84.7814, 73.3096

Protanopia

79.3712, 84.2542, 66.1122

Deuteranopia

83.2705, 83.7936, 82.3060



Tritanopia

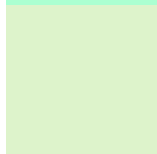
75.8327, 84.5866, 106.9378

Trichromacy



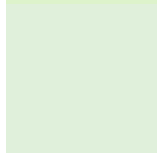
Original Color

64.0632, 84.7814, 73.3096



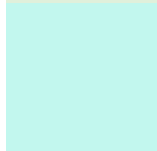
Protanomaly

72.6489, 83.7851, 68.8431



Deuteranomaly

74.6867, 83.2819, 79.1564



Tritanomaly

70.9415, 84.1639, 93.3952

Monochromacy



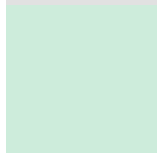
Original Color

64.0632, 84.7814, 73.3096



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

67.9585, 78.0845, 78.5079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.0632, 84.7814, 73.3096 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(171, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 209)  
}
```

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(171, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 209) }
```

Border

The CSS property to change the border of an element to XYZ 64.0632, 84.7814, 73.3096 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(171, 255, 209) }
```


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

```
.border{ border-color:rgb(171, 255, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 255, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 64.0632, 84.7814, 73.3096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 255, 209) }
```

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

```
.background{ background-color: rgb(171,  
255, 209) }
```

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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