

Converting Colors

XYZ(64.6526, 85.0782, 73.6571)

Have a look what the booklet for
XYZ(64.6526, 85.0782, 73.6571)
contains.

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Color

**XYZ(64.5022, 85.0077,
73.3301)**

Conversions

Conversions Part 1

Format	Color
Hex	ADFFD1
RGB	173, 255, 209
RGB Percent	68%, 100%, 82%
CMY	0.3216, 0.0000, 0.1804
CMYK	0.32, 0.00, 0.18, 0.00
HSL	146°, 100%, 84%
HSV	146°, 32%, 100%
XYZ	64.5022, 85.0077, 73.3301
YIQ	225.2380, -34.1060, -31.6900

Conversions

Conversions Part 2

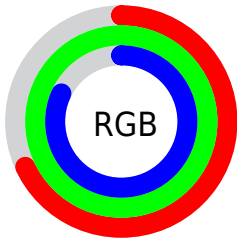
Format	Color
R _{YB}	173, 230, 255
Decimal	11403217
CIE _{Lab}	93.89, -34.26, 14.15
CIE _{LCh}	94, 37.067, 157.558
Yxy	85.0077, 0.2895, 0.3815
Android (android.graphics.Color)	4289593297 (0xFFADFFD1)
YUV	225.2380, -8.0053, -45.8127
Hunter-Lab	92.1996, -36.4720, 17.3840

Details

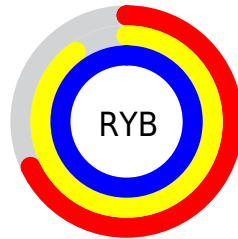
The XYZ color **64.5022, 85.0077, 73.3301** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **68.9701, 56.2624, 74.2424**, and the grayscale version is **71.8123, 75.5522, 82.2763**.

A 20% lighter version of the original color is **86.4431, 95.5630, 108.4972**, and **33.5817, 46.6063, 38.2363** is the 20% darker color. If you saturate the color by 10%, you get **57.6990, 81.6960, 64.1785**, and if you desaturate by 10%, it is **72.5419, 88.9384, 83.3725**.

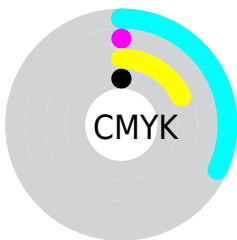
Distribution



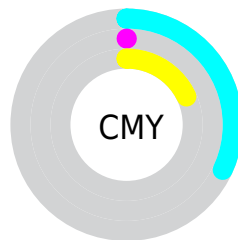
- Red (68%)
- Green (100%)
- Blue (82%)



- Red (68%)
- Yellow (90%)
- Blue (100%)



- Cyan (32%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (32%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.5022, 85.0077, 73.3301 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 64.5022, 85.0077, 73.3301 by changing the saturation by 10% instead.


 64.5022, 85.0077,
73.3301

 64.5022, 85.0077,
73.3301


430.5745,
511.6535, 491.2595

 47.3207, 63.8477,
53.7525


 110.4036,
140.3839, 125.6710

 33.4983, 46.5274,
38.0120


139.8542,
175.3690, 159.2713

 22.6695, 32.6622,
25.6901


174.1252,
215.7312, 198.3829

 14.4690, 21.8678,
16.3682

213.5821,
261.8550, 243.4244

 8.5315, 13.7598,
9.6279

258.5901,
314.1247, 294.8142

 4.4915, 7.9538,
5.0506

309.5146,

 1.9838, 4.0654,

372.9248, 352.9710

2.2177

366.7209,
438.6396, 418.3133

■ 0.6248, 1.7102,
0.6846

■ 0.0000, 0.4303,
0.0000

■ 64.5022, 85.0077,
73.3301

■ 64.5022, 85.0077,
73.3301

■ 57.6990, 81.6960,
64.1785

■ 72.5419, 88.9384,
83.3725

■ 52.0646, 78.9691,
55.8886

■ 81.8767, 93.5178,
94.3252

■ 47.5279, 76.7905,
48.4360

■ 92.5635, 98.7751,
106.2124

■ 44.0085, 75.1196,
41.7930

95.0500, 100.0000,
108.9000

■ 41.4142, 73.9093,
35.9307

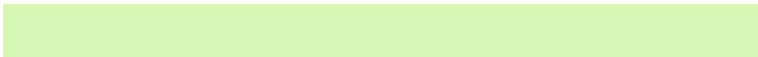
■ 39.6346, 73.1032,
30.8176

■ 38.6821, 72.6888,
27.3074

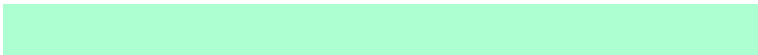
Harmonies

Analogous

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



69.7771, 85.0077, 55.8263



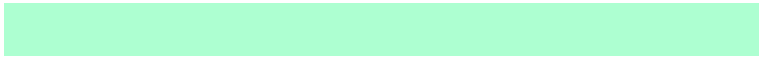
64.5022, 85.0077, 73.3301



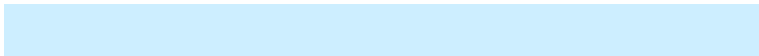
63.4139, 85.0077, 99.8898

Triad

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



64.5022, 85.0077, 73.3301



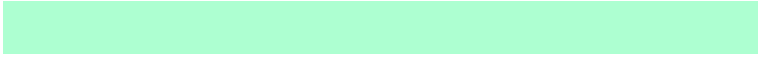
83.3180, 85.0077, 157.5339



96.7872, 85.0077, 63.2358

Complementary

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



64.5022, 85.0077, 73.3301



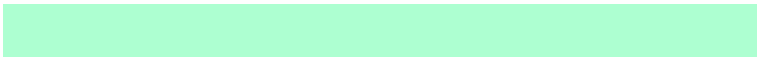
68.9701, 56.2624, 74.2424

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.



101.0983, 85.0077, 85.5958



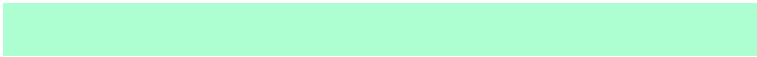
64.5022, 85.0077, 73.3301



92.9206, 85.0077, 142.6506

Square

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



64.5022, 85.0077, 73.3301



73.7699, 85.0077, 152.3983



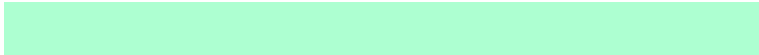
99.6287, 85.0077, 114.8857



88.2573, 85.0077, 50.8793

Rectangle

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



64.5022, 85.0077, 73.3301



65.1199, 85.0077, 120.0364



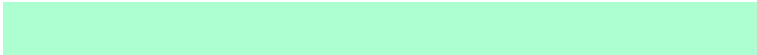
99.6287, 85.0077, 114.8857



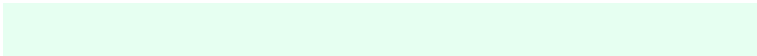
98.8081, 85.0077, 69.6314

Sweetspot

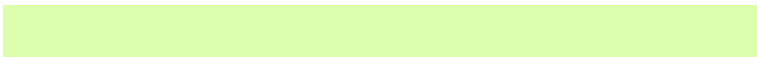
The Sweet Spot groups the original color and five complimentary colors.



64.5029, 85.0080, 73.3315



84.0646, 94.5931, 96.8084



72.6573, 89.6699, 53.0148



17.6865, 20.0960, 20.3735



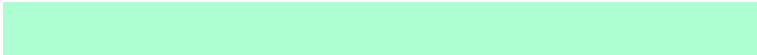
0.0000, 0.0000, 0.0000



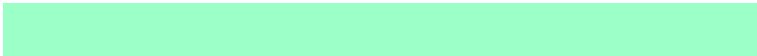
20.3446, 21.4041, 23.3091

Same Dimension

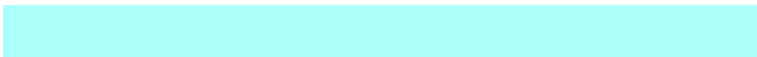
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.5029, 85.0080, 73.3315



59.7168, 82.6765, 66.9728



70.1763, 87.2774, 103.2069



18.1028, 20.3007, 20.8444



20.2843, 38.0103, 14.6481



2.0288, 3.7224, 1.7095

Inverse Universe

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



68.9701, 56.2624, 74.2424



64.8534, 49.6063, 68.0072



64.2670, 54.3811, 49.4759



18.4361, 18.1578, 20.9137



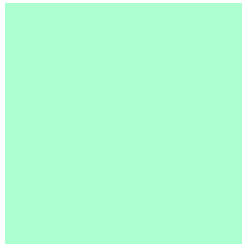
24.2176, 12.1763, 15.0624



2.4129, 1.2075, 1.7559

Previews

White Background



This preview shows how the XYZ color 64.5022, 85.0077, 73.3301 looks on a white background.

Color Contrast Check

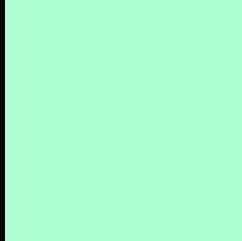
Large Text (above 18pt) WCAG AA × Fail

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 64.5022, 85.0077, 73.3301 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 64.5022, 85.0077, 73.3301

Background



This preview shows how black text looks on a background with the XYZ color 64.5022, 85.0077, 73.3301.

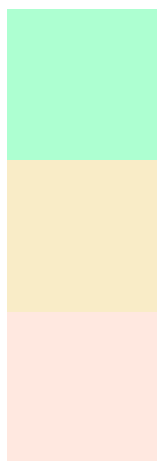


This preview shows how white text looks on a background with the XYZ color 64.5022, 85.0077,

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

64.5022, 85.0077, 73.3301

Protanopia

79.3712, 84.2542, 66.1122

Deuteranopia

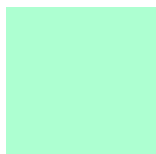
83.5512, 84.3550, 82.3995



Tritanopia

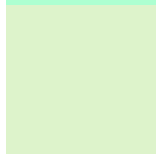
76.1130, 84.7311, 106.9509

Trichromacy



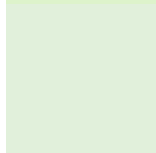
Original Color

64.5022, 85.0077, 73.3301



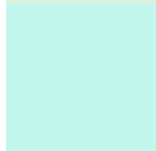
Protanomaly

72.6489, 83.7851, 68.8431



Deuteranomaly

74.9976, 83.4422, 79.1710



Tritanomaly

71.1991, 84.2967, 93.4072

Monochromacy



Original Color

64.5022, 85.0077, 73.3301



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.2352, 78.2272, 78.5208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5022, 85.0077, 73.3301 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(173, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(173, 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(173, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 255, 209) }
```

Border

The CSS property to change the border of an element to XYZ 64.5022, 85.0077, 73.3301 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(173, 255, 209) }
```


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

```
.border{ border-color:rgb(173, 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(173, 255, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(173, 255,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5022, 85.0077, 73.3301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 255, 209) }
```

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

```
.background{ background-color: rgb(173,  
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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