

Converting Colors

XYZ(65.2131, 85.2579, 76.7429)

Have a look what the booklet for
XYZ(65.2131, 85.2579, 76.7429)
contains.

| | |
|--|----|
| XYZ(65.1312, 85.2593, 76.6422) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(65.1312, 85.2593,
76.6422)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | ADFFD6 |
| RGB | 173, 255, 214 |
| RGB Percent | 68%, 100%, 84% |
| CMY | 0.3216, 0.0000, 0.1608 |
| CMYK | 0.32, 0.00, 0.16, 0.00 |
| HSL | 150°, 100%, 84% |
| HSV | 150°, 32%, 100% |
| XYZ | 65.1312, 85.2593, 76.6422 |
| YIQ | 225.8080, -35.7110, -30.1350 |

Conversions

Conversions Part 2

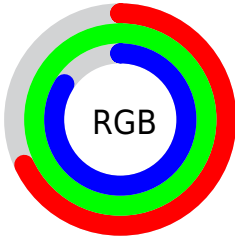
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 173, 228, 255 |
| Decimal | 11403222 |
| CIELab | 93.99, -33.30, 11.74 |
| CIELCh | 94, 35.311, 160.587 |
| Yxy | 85.2593, 0.2869, 0.3755 |
| Android (android.graphics.Color) | 4289593302 (0xFFADFFD6) |
| YUV | 225.8080, -5.8213, -46.3126 |
| Hunter-Lab | 92.3360, -35.6790, 15.4223 |

Details

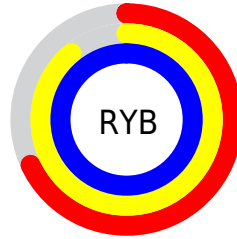
The XYZ color **65.1312, 85.2593, 76.6422** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **68.3217, 56.0031, 70.8273**, and the grayscale version is **72.2090, 75.9695, 82.7308**.

A 20% lighter version of the original color is **86.4431, 95.5630, 108.4972**, and **33.9233, 46.7429, 40.0352** is the 20% darker color. If you saturate the color by 10%, you get **58.4552, 81.9985, 68.1604**, and if you desaturate by 10%, it is **73.0122, 89.1265, 85.8485**.

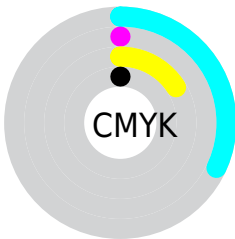
Distribution



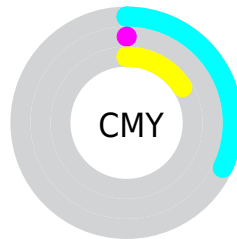
- Red (68%)
- Green (100%)
- Blue (84%)



- Red (68%)
- Yellow (89%)
- Blue (100%)



- Cyan (32%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (32%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.1312, 85.2593, 76.6422 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 65.1312, 85.2593, 76.6422 by changing the saturation by 10% instead.


 65.1312, 85.2593,
76.6422

 65.1312, 85.2593,
76.6422


432.8011,
512.4857, 502.9485

 47.8326, 64.0557,
56.4495


 111.3031,
140.7354, 130.4027

 33.9050, 46.6958,
40.1570


140.9071,
175.7766, 164.8075

 22.9832, 32.7952,
27.3462

175.3436,
216.1992, 204.7867

 14.7017, 21.9696,
17.5987

214.9780,
262.3875, 250.7590

 8.6953, 13.8346,
10.4958

260.1755,
314.7259, 303.1427

 4.5985, 8.0057,
5.6190

311.3017,

 2.0460, 4.0986,

373.5988, 362.3565

2.5498

368.7217,
439.3906, 428.8189

■ 0.6596, 1.7289,
0.8664

■ 0.0000, 0.4422,
0.0000

■ 65.1312, 85.2593,
76.6422

■ 65.1312, 85.2593,
76.6422

■ 58.4552, 81.9985,
68.1604

■ 73.0122, 89.1265,
85.8485

■ 52.9178, 79.3103,
60.3808

■ 82.1554, 93.6293,
95.7925

■ 48.4489, 77.1589,
53.2858

■ 92.6168, 98.7964,
106.4925

■ 44.9698, 75.5041,
46.8553

95.0500, 100.0000,
108.9000

■ 42.3899, 74.2995,
41.0683

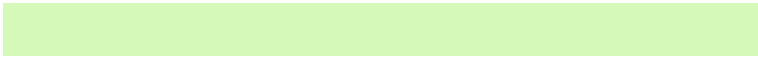
■ 40.6001, 73.4894,
35.9017

■ 39.6236, 73.0654,
32.2655

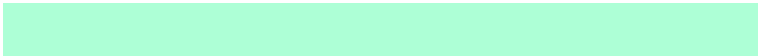
Harmonies

Analogous

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



69.8182, 85.2593, 58.7593



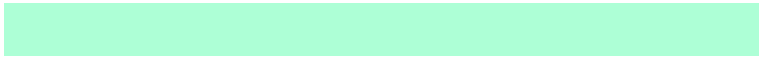
65.1312, 85.2593, 76.6422



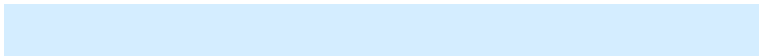
64.5097, 85.2593, 102.6894

Triad

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



65.1312, 85.2593, 76.6422



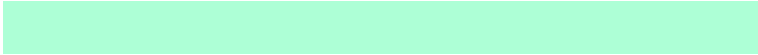
84.4086, 85.2593, 153.7027



95.5789, 85.2593, 63.0182

Complementary

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



65.1312, 85.2593, 76.6422



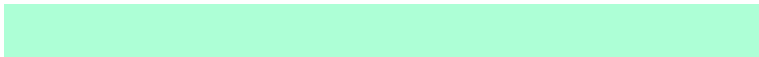
68.3217, 56.0031, 70.8273

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.



100.1690, 85.2593, 83.6282



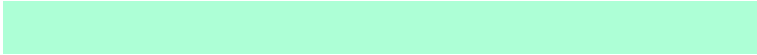
65.1312, 85.2593, 76.6422



93.3962, 85.2593, 138.0428

Square

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



65.1312, 85.2593, 76.6422



75.1661, 85.2593, 150.8300



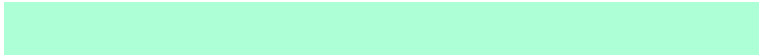
99.3406, 85.2593, 111.1568



87.2047, 85.2593, 52.0122

Rectangle

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



65.1312, 85.2593, 76.6422



66.4276, 85.2593, 121.7973



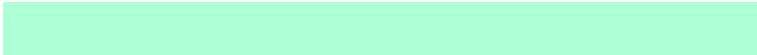
99.3406, 85.2593, 111.1568



97.6439, 85.2593, 68.8681

Sweetspot

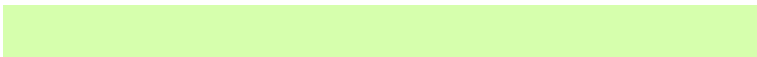
The Sweet Spot groups the original color and five complimentary colors.



65.1320, 85.2596, 76.6436



84.2975, 94.6862, 98.0349



71.0350, 88.8335, 52.9390



17.7428, 20.1185, 20.6698



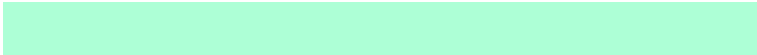
0.0000, 0.0000, 0.0000



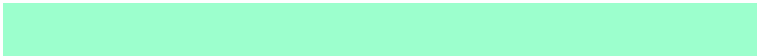
20.3446, 21.4041, 23.3091

Same Dimension

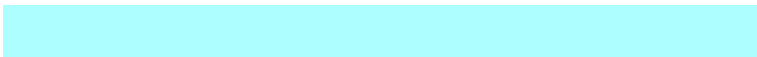
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.1320, 85.2596, 76.6436



60.4362, 82.9642, 70.7608



71.0441, 87.6245, 107.7765



18.1504, 20.3197, 21.0949



20.7795, 38.2084, 17.2562



2.0784, 3.7423, 1.9704

Inverse Universe

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



68.3217, 56.0031, 70.8273



64.1057, 49.3072, 64.0697



63.7271, 54.1653, 46.6325



18.3882, 18.1386, 20.6613



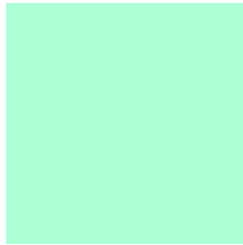
23.6428, 11.9464, 12.0353



2.3571, 1.1852, 1.4621

Previews

White Background



This preview shows how the XYZ color 65.1312, 85.2593, 76.6422 looks on a white background.

Color Contrast Check

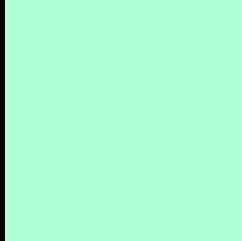
Large Text (above 18pt) WCAG AA × Fail

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 65.1312, 85.2593, 76.6422 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 65.1312, 85.2593, 76.6422

Background



This preview shows how black text looks on a background with the XYZ color 65.1312, 85.2593, 76.6422.



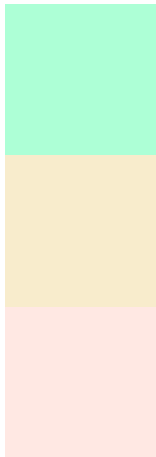
This preview shows how white text looks on a background with the XYZ color 65.1312, 85.2593,

76.6422.

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

65.1312, 85.2593, 76.6422

Protanopia

79.6059, 84.3070, 69.2039

Deuteranopia

83.9617, 84.5193, 84.5616



Tritanopia

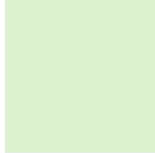
76.1130, 84.7311, 106.9509

Trichromacy



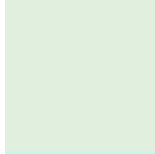
Original Color

65.1312, 85.2593, 76.6422



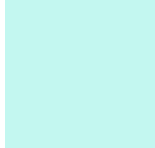
Protanomaly

73.2546, 84.0274, 72.0325



Deuteranomaly

75.3962, 83.6017, 81.2702



Tritanomaly

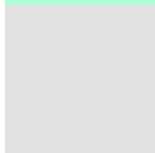
71.4946, 84.4149, 94.9636

Monochromacy



Original Color

65.1312, 85.2593, 76.6422



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.2011, 79.1077, 80.7293

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.1312, 85.2593, 76.6422 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, 214)` looks like.

```
.text, #text, p{  
    color:rgb(173, 255, 214)  
}
```

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, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 255, 214) }
```

Border

The CSS property to change the border of an element to XYZ 65.1312, 85.2593, 76.6422 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, 214) }
```


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

```
.border{ border-color:rgb(173, 255, 214) }
```

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, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(173, 255,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 65.1312, 85.2593, 76.6422 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, 214) }
```

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

```
.background{ background-color: rgb(173,  
255, 214) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor