

Converting Colors

XYZ(72.8392, 100.0000,
76.4091)

Have a look what the booklet for
XYZ(72.8392, 100.0000, 76.4091)
contains.

XYZ(65.5243, 85.5203, 74.0263)	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(65.5243, 85.5203,
74.0263)**

Conversions

Conversions Part 1

Format	Color
Hex	B1FFD2
RGB	177, 255, 210
RGB Percent	69%, 100%, 82%
CMY	0.3059, 0.0000, 0.1765
CMYK	0.31, 0.00, 0.18, 0.00
HSL	145°, 100%, 85%
HSV	145°, 31%, 100%
XYZ	65.5243, 85.5203, 74.0263
YIQ	226.5480, -32.0430, -30.5310

Conversions

Conversions Part 2

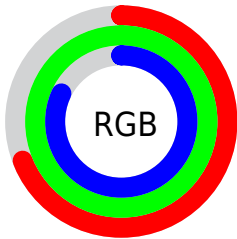
Format	Color
RYB	177, 232, 255
Decimal	11665362
CIELab	94.11, -32.90, 13.98
CIElCh	94, 35.747, 156.983
Yxy	85.5203, 0.2911, 0.3800
Android (android.graphics.Color)	4289855442 (0xFFB1FFD2)
YUV	226.5480, -8.1582, -43.4536
Hunter-Lab	92.4772, -35.3597, 17.2735

Details

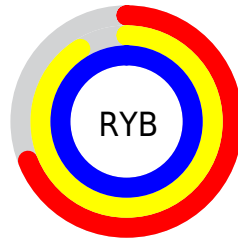
The XYZ color **65.5243, 85.5203, 74.0263** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **70.1473, 57.9789, 76.6010**, and the grayscale version is **72.7591, 76.5483, 83.3611**.

A 20% lighter version of the original color is **87.7417, 96.2324, 108.5580**, and **34.1365, 46.8923, 38.2623** is the 20% darker color. If you saturate the color by 10%, you get **58.4991, 82.1007, 64.5661**, and if you desaturate by 10%, it is **73.8046, 89.5673, 84.4275**.

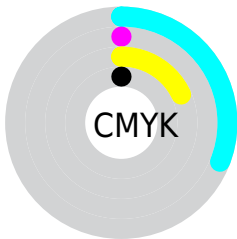
Distribution



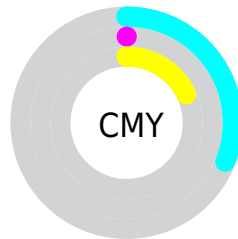
- Red (69%)
- Green (100%)
- Blue (82%)



- Red (69%)
- Yellow (91%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.5243, 85.5203, 74.0263 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 65.5243, 85.5203, 74.0263 by changing the saturation by 10% instead.


 65.5243, 85.5203,
74.0263

 65.5243, 85.5203,
74.0263


434.1892,
513.3481, 493.7300

 48.1526, 64.2714,
54.3186


 111.8648,
141.0999, 126.6675

 34.1595, 46.8705,
38.4616


141.5644,
176.1993, 160.4381

 23.1796, 32.9333,
26.0365


176.1039,
216.6844, 199.7334

 14.8476, 22.0754,
16.6249

215.8488,
262.9395, 244.9720

 8.7981, 13.9123,
9.8083

261.1645,
315.3491, 296.5724

 4.6658, 8.0597,
5.1681

312.4162,

 2.0853, 4.1332,

374.2974, 354.9532

2.2858

369.9693,
440.1690, 420.5329

■ 0.6812, 1.7483,
0.7232

■ 0.0000, 0.4547,
0.0000

■ 65.5243, 85.5203,
74.0263

■ 65.5243, 85.5203,
74.0263

■ 58.4991, 82.1007,
64.5661

■ 73.8046, 89.5673,
84.4275

■ 52.6619, 79.2747,
56.0162

■ 83.3983, 94.2714,
95.7912

■ 47.9421, 77.0064,
48.3500

■ 94.3621, 99.6614,
108.1431

■ 44.2605, 75.2554,
41.5381

■ 95.0500, 100.0000,
108.9000

■ 41.5267, 73.9758,
35.5491

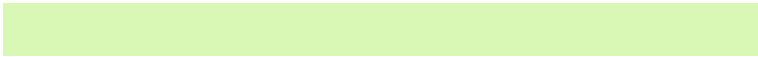
■ 39.6332, 73.1128,
30.3496

■ 38.4608, 72.6003,
26.1422

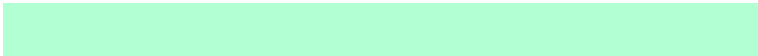
Harmonies

Analogous

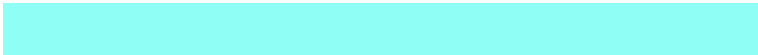
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.7283, 85.5203, 57.1010



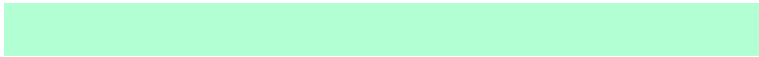
65.5243, 85.5203, 74.0263



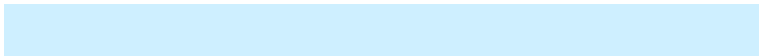
64.3825, 85.5203, 99.6596

Triad

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



65.5243, 85.5203, 74.0263



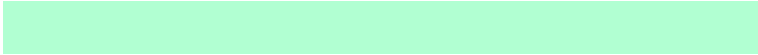
83.5379, 85.5203, 155.6963



96.8571, 85.5203, 64.9219

Complementary

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



65.5243, 85.5203, 74.0263



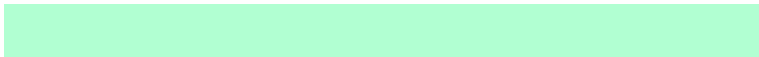
70.1473, 57.9789, 76.6010

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.



100.9125, 85.5203, 86.8674



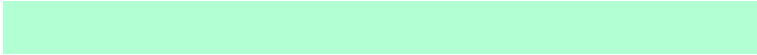
65.5243, 85.5203, 74.0263



92.8420, 85.5203, 141.7743

Square

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



65.5243, 85.5203, 74.0263



74.3122, 85.5203, 150.4074



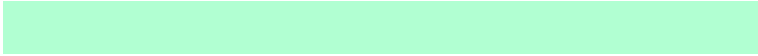
99.3885, 85.5203, 115.2366



88.6798, 85.5203, 52.6084

Rectangle

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



65.5243, 85.5203, 74.0263



65.9907, 85.5203, 119.0813



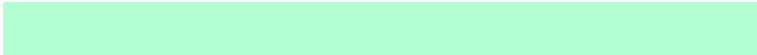
99.3885, 85.5203, 115.2366



98.7756, 85.5203, 71.2311

Sweetspot

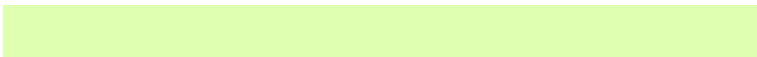
The Sweet Spot groups the original color and five complimentary colors.



65.5250, 85.5206, 74.0277



85.0459, 95.0806, 97.6854



73.9738, 90.3032, 55.1274



17.8798, 20.1923, 20.5369



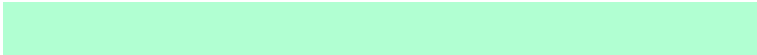
0.0000, 0.0000, 0.0000



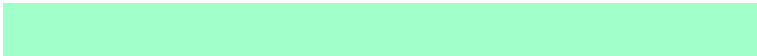
20.3446, 21.4041, 23.3091

Same Dimension

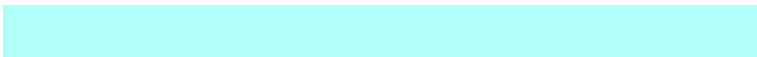
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.5250, 85.5206, 74.0277



60.8794, 83.2575, 67.8542



70.9129, 87.6757, 102.3999



18.0904, 20.2957, 20.7793



20.1674, 37.9636, 14.0328



2.0168, 3.7177, 1.6465

Inverse Universe

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



70.1473, 57.9789, 76.6010



66.2000, 51.5381, 70.8036



65.5621, 56.1448, 52.4555



18.4487, 18.1628, 20.9801



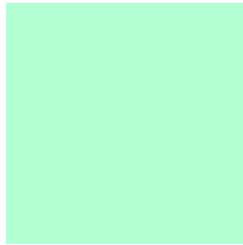
24.3815, 12.2419, 15.9253



2.4286, 1.2138, 1.8383

Previews

White Background



This preview shows how the XYZ color 65.5243, 85.5203, 74.0263 looks on a white background.

Color Contrast Check

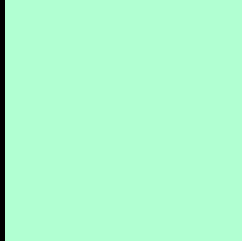
Large Text (above 18pt) WCAG AA × Fail

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 65.5243, 85.5203, 74.0263 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 65.5243, 85.5203, 74.0263

Background



This preview shows how black text looks on a background with the XYZ color 65.5243, 85.5203, 74.0263.



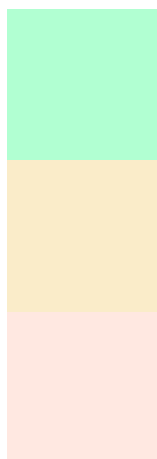
This preview shows how white text looks on a background with the XYZ color 65.5243, 85.5203,

74.0263.

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

65.5243, 85.5203, 74.0263

Protanopia

79.9624, 84.5319, 67.3602

Deuteranopia

83.6872, 84.4095, 83.1160



Tritanopia

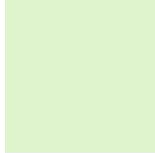
76.9646, 85.1701, 106.9907

Trichromacy



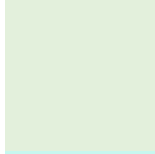
Original Color

65.5243, 85.5203, 74.0263



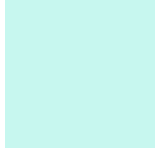
Protanomaly

73.3811, 84.1488, 69.5015



Deuteranomaly

75.7569, 83.8184, 79.8959



Tritanomaly

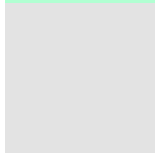
72.3939, 84.8956, 94.2323

Monochromacy



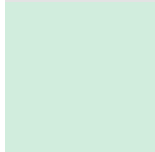
Original Color

65.5243, 85.5203, 74.0263



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

69.6298, 79.3441, 80.0517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.5243, 85.5203, 74.0263 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(177, 255, 210)` looks like.

```
.text, #text, p{  
    color:rgb(177, 255, 210)  
}
```

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(177, 255, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 210) }
```

Border

The CSS property to change the border of an element to XYZ 65.5243, 85.5203, 74.0263 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(177, 255, 210) }
```


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

```
.border{ border-color:rgb(177, 255, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 255, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 210);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 65.5243, 85.5203, 74.0263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 255, 210) }
```

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

```
.background{ background-color: rgb(177,  
255, 210) }
```

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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