

Converting Colors

XYZ(64.9786, 85.2451, 73.7194)

Have a look what the booklet for
XYZ(64.9786, 85.2451, 73.7194)
contains.

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Color

**XYZ(65.0721, 85.2871,
74.0052)**

Conversions

Conversions Part 1

Format	Color
Hex	AFFFD2
RGB	175, 255, 210
RGB Percent	69%, 100%, 82%
CMY	0.3137, 0.0000, 0.1765
CMYK	0.31, 0.00, 0.18, 0.00
HSL	146°, 100%, 84%
HSV	146°, 31%, 100%
XYZ	65.0721, 85.2871, 74.0052
YIQ	225.9500, -33.2350, -30.9550

Conversions

Conversions Part 2

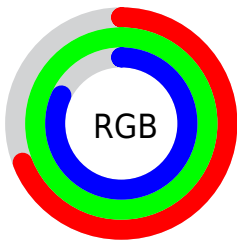
Format	Color
RYB	175, 231, 255
Decimal	11534290
CIELab	94.01, -33.49, 13.82
CIELCh	94, 36.228, 157.573
Yxy	85.2871, 0.2900, 0.3801
Android (android.graphics.Color)	4289724370 (0xFFAFFFD2)
YUV	225.9500, -7.8633, -44.6831
Hunter-Lab	92.3510, -35.8401, 17.1339

Details

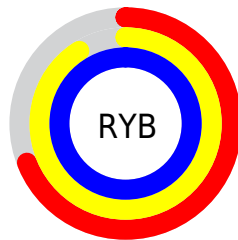
The XYZ color **65.0721, 85.2871, 74.0052** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **69.4887, 57.0882, 75.0670**, and the grayscale version is **72.3247, 76.0912, 82.8633**.

A 20% lighter version of the original color is **87.0887, 95.8958, 108.5274**, and **33.8562, 46.7478, 38.2492** is the 20% darker color. If you saturate the color by 10%, you get **58.1713, 81.9269, 64.7686**, and if you desaturate by 10%, it is **73.2153, 89.2692, 84.1389**.

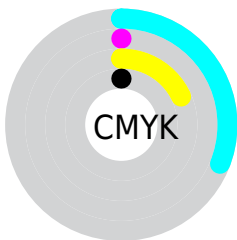
Distribution



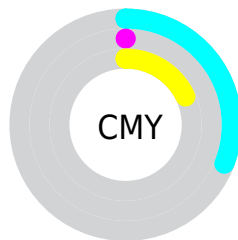
- Red (69%)
- Green (100%)
- Blue (82%)



- 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 65.0721, 85.2871, 74.0052 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 65.0721, 85.2871, 74.0052 by changing the saturation by 10% instead.


 65.0721, 85.2871,
74.0052

 65.0721, 85.2871,
74.0052


432.5921,
512.5776, 493.6552

 47.7845, 64.0786,
54.3015


 111.2186,
140.7742, 126.6373

 33.8668, 46.7144,
38.4479


140.8083,
175.8217, 160.4027

 22.9537, 32.8099,
26.0260


175.2292,
216.2509, 199.6925

 14.6798, 21.9809,
16.6171

214.8469,
262.4463, 244.9252

 8.6798, 13.8428,
9.8028

260.0267,
314.7923, 296.5192

 4.5884, 8.0114,
5.1645

311.1340,

 2.0401, 4.1023,

373.6732, 354.8932

2.2837

368.5340,
439.4735, 420.4657

0.6563, 1.7309,
0.7221

0.0000, 0.4436,
0.0000

65.0721, 85.2871,
74.0052

65.0721, 85.2871,
74.0052

58.1713, 81.9269,
64.7686

73.2153, 89.2692,
84.1389

52.4454, 79.1544,
56.4000

82.6588, 93.9028,
95.1892

47.8238, 76.9337,
48.8746

93.4597, 99.2166,
107.1806

44.2269, 75.2242,
42.1650

95.0500, 100.0000,
108.9000

■ 41.5637, 73.9796,
36.2418

■ 39.7253, 73.1443,
31.0738

■ 38.6605, 72.6802,
27.1937

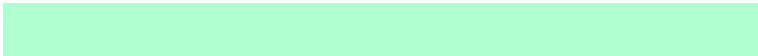
Harmonies

Analogous

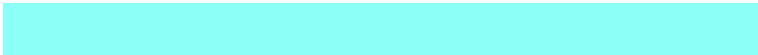
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.2527, 85.2871, 56.7502



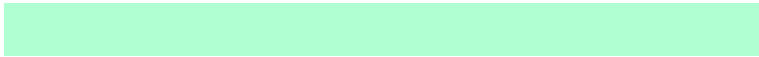
65.0721, 85.2871, 74.0052



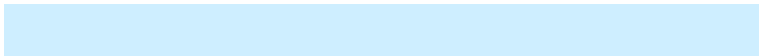
64.0041, 85.2871, 100.0538

Triad

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



65.0721, 85.2871, 74.0052



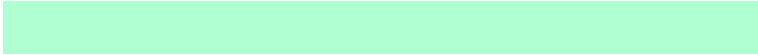
83.5362, 85.2871, 156.2303



96.6992, 85.2871, 64.0480

Complementary

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



65.0721, 85.2871, 74.0052



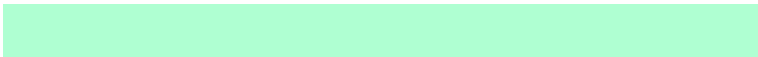
69.4887, 57.0882, 75.0670

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.



100.9115, 85.2871, 86.0255



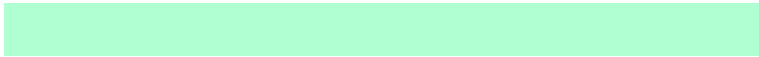
65.0721, 85.2871, 74.0052



92.9287, 85.2871, 141.7461

Square

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



65.0721, 85.2871, 74.0052



74.1788, 85.2871, 151.2475



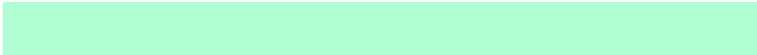
99.4795, 85.2871, 114.6799



88.3601, 85.2871, 51.8484

Rectangle

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



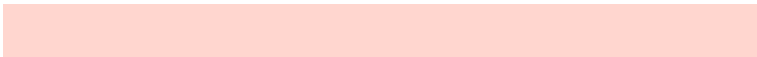
65.0721, 85.2871, 74.0052



65.6829, 85.2871, 119.7360



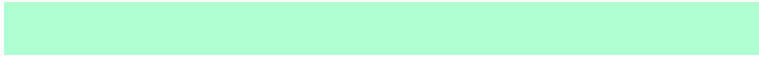
99.4795, 85.2871, 114.6799



98.6737, 85.2871, 70.3457

Sweetspot

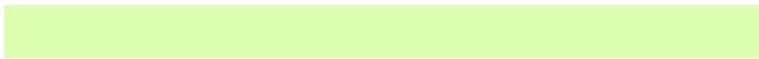
The Sweet Spot groups the original color and five complimentary colors.



65.0728, 85.2875, 74.0066



85.0956, 95.1004, 97.9472



73.1146, 89.8831, 54.0543



17.8920, 20.1972, 20.6012



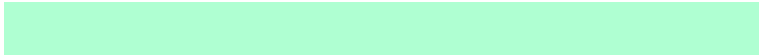
0.0000, 0.0000, 0.0000



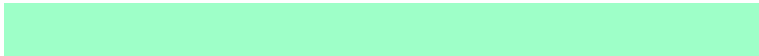
20.3446, 21.4041, 23.3091

Same Dimension

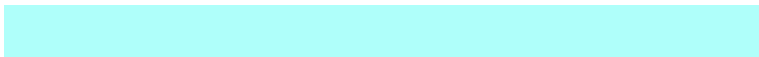
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.0728, 85.2875, 74.0066



60.3635, 82.9925, 67.7849



70.6428, 87.5155, 103.3377



18.1016, 20.3002, 20.8382



20.2729, 38.0057, 14.5880



2.0276, 3.7220, 1.7033

Inverse Universe

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



69.4887, 57.0882, 75.0670



65.4441, 50.5319, 68.9928



64.8429, 55.2298, 50.6023



18.4373, 18.1582, 20.9201



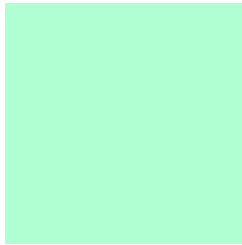
24.2331, 12.1825, 15.1436



2.4144, 1.2081, 1.7637

Previews

White Background



This preview shows how the XYZ color 65.0721, 85.2871, 74.0052 looks on a white background.

Color Contrast Check

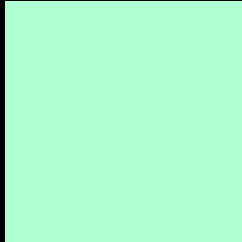
Large Text (above 18pt) WCAG AA × Fail

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 65.0721, 85.2871, 74.0052 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 65.0721, 85.2871, 74.0052

Background



This preview shows how black text looks on a background with the XYZ color 65.0721, 85.2871, 74.0052.



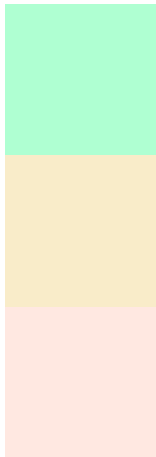
This preview shows how white text looks on a background with the XYZ color 65.0721, 85.2871,

74.0052.

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

65.0721, 85.2871, 74.0052

Protanopia

79.6050, 84.3477, 67.3434

Deuteranopia

83.6872, 84.4095, 83.1160



Tritanopia

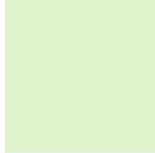
76.3951, 84.8765, 106.9641

Trichromacy



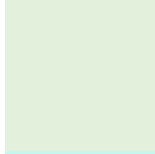
Original Color

65.0721, 85.2871, 74.0052



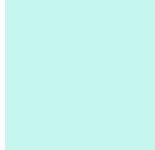
Protanomaly

73.0739, 83.9904, 69.4871



Deuteranomaly

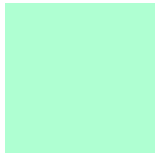
75.4424, 83.6562, 79.8812



Tritanomaly

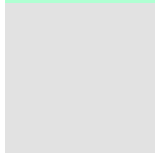
71.8667, 84.6238, 94.2076

Monochromacy



Original Color

65.0721, 85.2871, 74.0052



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

68.9346, 79.0011, 79.3256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.0721, 85.2871, 74.0052 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(175, 255, 210)` looks like.

```
.text, #text, p{  
    color:rgb(175, 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(175, 255, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 255, 210) }
```

Border

The CSS property to change the border of an element to XYZ 65.0721, 85.2871, 74.0052 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(175, 255, 210) }
```


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

```
.border{ border-color:rgb(175, 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(175, 255, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 255, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 255, 210);  
box-shadow:4px 4px 4px 4px rgb(175, 255,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 65.0721, 85.2871, 74.0052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 255, 210) }
```

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

```
.background{ background-color: rgb(175,  
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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