

Converting Colors

XYZ(63.7174, 74.2381,
105.5789)

Have a look what the booklet for
XYZ(63.7174, 74.2381, 105.5789)
contains.

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Color

**XYZ(63.8350, 74.5007,
105.6233)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | A9EAFF |
| RGB | 169, 234, 255 |
| RGB Percent | 66%, 92%, 100% |
| CMY | 0.3372, 0.0823, 0.0000 |
| CMYK | 0.34, 0.08, 0.00, 0.00 |
| HSL | 195°, 100%, 83% |
| HSV | 195°, 34%, 100% |
| XYZ | 63.8350, 74.5007, 105.6233 |
| YIQ | 216.9590, -45.4810, -7.2490 |

Conversions

Conversions Part 2

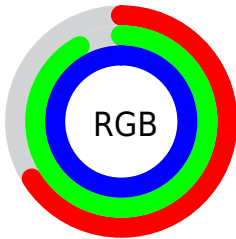
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 169, 206, 255 |
| Decimal | 11135743 |
| CIE Lab | 89.16, -15.40, -16.68 |
| CIE LCh | 89, 22.700, 227.275 |
| Yxy | 74.5007, 0.2617, 0.3054 |
| Android (android.graphics.Color) | 4289325823 (0xFFA9EAFF) |
| YUV | 216.9590, 18.7542, -42.0600 |
| Hunter-Lab | 86.3138, -19.0361, -12.1343 |

Details

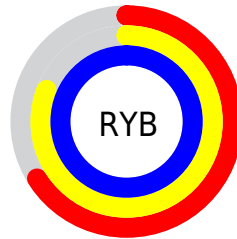
The XYZ color **63.8350, 74.5007, 105.6233** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.8151, 60.9513, 45.7812**, and the grayscale version is **65.8249, 69.2529, 75.4165**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **33.0529, 39.4954, 59.3074** is the 20% darker color. If you saturate the color by 10%, you get **57.1476, 68.4698, 104.8117**, and if you desaturate by 10%, it is **71.6555, 81.2118, 106.5065**.

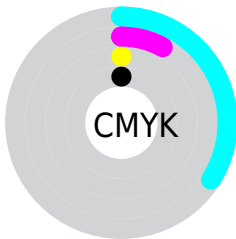
Distribution



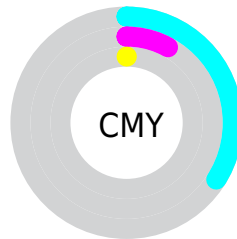
- Red (66%)
- Green (92%)
- Blue (100%)



- Red (66%)
- Yellow (81%)
- Blue (100%)



- Cyan (34%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8350, 74.5007, 105.6233 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 63.8350, 74.5007, 105.6233 by changing the saturation by 10% instead.

63.8350, 74.5007,
105.6233

63.8350, 74.5007,
105.6233

428.2052,
476.1997, 599.4749

46.7782, 55.2039,
80.3621

109.4483,
125.6053, 170.9827

33.0676, 39.5650,
59.4884

138.7356,
158.1820, 211.9179

22.3377, 27.1996,
42.5838

172.8304,
195.9541, 258.9149

14.2232, 17.7232,
29.2297

212.0982,
239.3060, 312.3922

8.3588, 10.7514,
19.0076

256.9042,
288.6221, 372.7683

4.3791, 5.8999,
11.4989

307.6138,

1.9188, 2.7843,

344.2868, 440.4617

6.2851

364.5923,
406.6845, 515.8911

■ 0.5877, 1.0202,
2.9476

■ 0.0000, 0.0000,
1.0680

■ 63.8350, 74.5007,
105.6233

■ 63.8350, 74.5007,
105.6233

■ 57.1476, 68.4698,
104.8117

■ 71.6555, 81.2118,
106.5065

■ 51.5244, 63.0772,
104.0672

■ 80.6609, 88.6254,
107.4629

■ 46.8980, 58.2890,
103.3869

■ 90.9070, 96.7728,
108.4955

■ 43.1904, 54.0642,
102.7668

95.0500, 100.0000,
108.9000

■ 40.3113, 50.3551,
102.2026

■ 38.1506, 47.1039,
101.6890

■ 37.0632, 45.2463,
101.3877

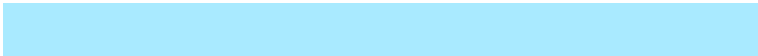
Harmonies

Analogous

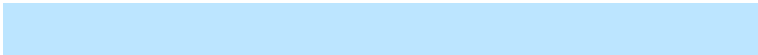
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.1299, 74.5007, 90.5072



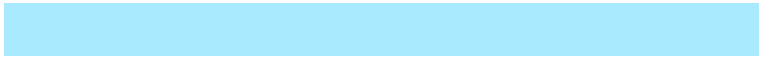
63.8350, 74.5007, 105.6233



68.4931, 74.5007, 114.6163

Triad

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



63.8350, 74.5007, 105.6233



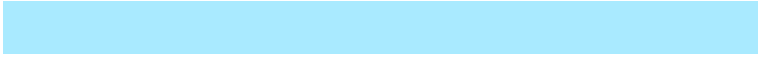
81.7034, 74.5007, 88.0167



67.6981, 74.5007, 55.3641

Complementary

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



63.8350, 74.5007, 105.6233



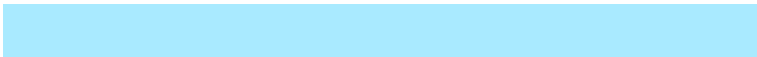
66.8151, 60.9513, 45.7812

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.



73.1800, 74.5007, 54.8802



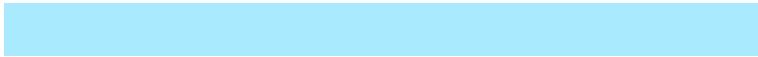
63.8350, 74.5007, 105.6233



81.4631, 74.5007, 72.4028

Square

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



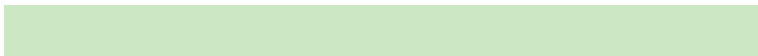
63.8350, 74.5007, 105.6233



78.9172, 74.5007, 103.5967



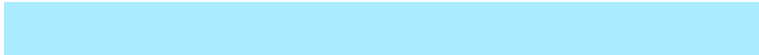
78.2769, 74.5007, 60.7313



63.2792, 74.5007, 62.1526

Rectangle

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



63.8350, 74.5007, 105.6233



72.1665, 74.5007, 115.2509



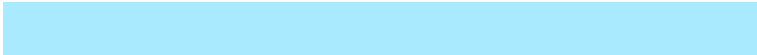
78.2769, 74.5007, 60.7313



69.4720, 74.5007, 54.4934

Sweetspot

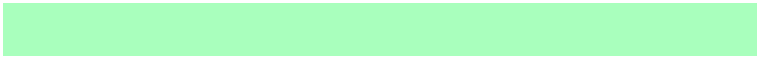
The Sweet Spot groups the original color and five complimentary colors.



63.8370, 74.5035, 105.6238



84.3288, 91.5723, 107.8384



61.3158, 83.6326, 61.0947



17.7492, 19.3596, 23.0512



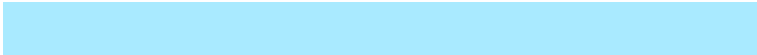
0.0000, 0.0000, 0.0000



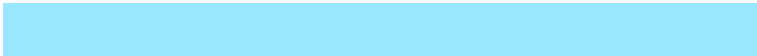
20.3446, 21.4041, 23.3091

Same Dimension

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



63.8370, 74.5035, 105.6238



59.5107, 70.6400, 105.1061



53.2486, 53.3266, 102.0943



18.1571, 19.6858, 23.0927



19.4894, 23.8883, 53.0183



1.9829, 2.4965, 5.1906

Inverse Universe

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



70.2806, 55.5781, 84.8686



66.9278, 49.7611, 81.0118



77.2774, 81.8760, 49.2686



18.5919, 18.2201, 21.7343



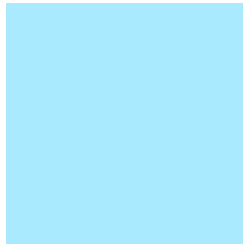
26.6255, 13.1395, 27.7422



2.6355, 1.2966, 2.9278

Previews

White Background



This preview shows how the XYZ color 63.8350, 74.5007, 105.6233 looks on a white background.

Color Contrast Check

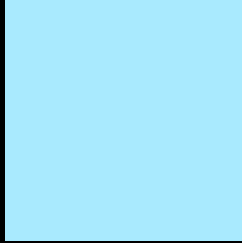
Large Text (above 18pt) WCAG AA × Fail

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 63.8350, 74.5007, 105.6233 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 63.8350, 74.5007, 105.6233

Background



This preview shows how black text looks on a background with the XYZ color 63.8350, 74.5007, 105.6233.

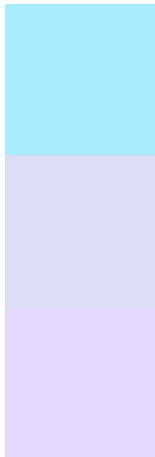


This preview shows how white text looks on a background with the XYZ color 63.8350, 74.5007,

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

63.8350, 74.5007, 105.6233

Protanopia

72.4250, 74.1736, 98.4954

Deuteranopia

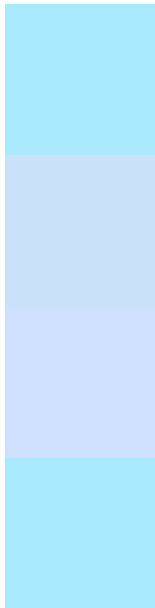
75.1163, 73.8568, 104.9045



Tritanopia

63.5146, 74.3725, 103.9363

Trichromacy



Original Color

63.8350, 74.5007, 105.6233

Protanomaly

68.5391, 73.7123, 101.0580

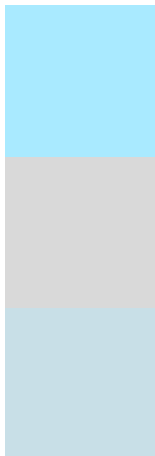
Deuteranomaly

70.4378, 73.7967, 105.1395

Tritanomaly

63.6744, 74.4364, 104.7776

Monochromacy



Original Color

63.8350, 74.5007, 105.6233

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

64.6309, 70.8242, 85.8653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8350, 74.5007, 105.6233 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(169, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 234, 255)  
}
```

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(169, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 234, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.8350, 74.5007, 105.6233 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(169, 234, 255) }
```


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

```
.border{ border-color:rgb(169, 234, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(169, 234,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8350, 74.5007, 105.6233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 234, 255) }
```

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

```
.background{ background-color: rgb(169,  
234, 255) }
```

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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