

Converting Colors

XYZ(86.4885, 82.9670,
222.4907)

Have a look what the booklet for
XYZ(86.4885, 82.9670, 222.4907)
contains.

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Color

**XYZ(64.1402, 73.8175,
105.4754)**

Conversions

Conversions Part 1

Format	Color
Hex	ADE8FF
RGB	173, 232, 255
RGB Percent	68%, 91%, 100%
CMY	0.3216, 0.0902, 0.0000
CMYK	0.32, 0.09, 0.00, 0.00
HSL	197°, 100%, 84%
HSV	197°, 32%, 100%
XYZ	64.1402, 73.8175, 105.4754
YIQ	216.9810, -42.5470, -5.3550

Conversions

Conversions Part 2

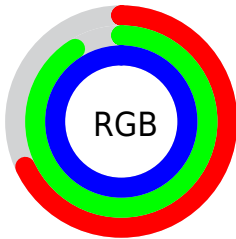
Format	Color
R_{YB}	173, 207, 255
Decimal	11397375
CIE _{Lab}	88.84, -13.31, -17.14
CIE _{LCh}	89, 21.704, 232.158
Yxy	73.8175, 0.2635, 0.3032
Android (android.graphics.Color)	4289587455 (0xFFADE8FF)
YUV	216.9810, 18.7434, -38.5713
Hunter-Lab	85.9171, -17.0983, -12.6449

Details

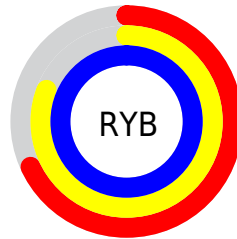
The XYZ color **64.1402, 73.8175, 105.4754** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.5229, 63.7568, 48.2317**, and the grayscale version is **65.8386, 69.2673, 75.4321**.

A 20% lighter version of the original color is **86.4431, 95.5630, 108.4972**, and **33.1896, 38.9794, 59.2006** is the 20% darker color. If you saturate the color by 10%, you get **57.0586, 67.2407, 104.5792**, and if you desaturate by 10%, it is **72.3838, 81.1186, 106.4502**.

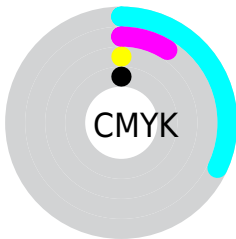
Distribution



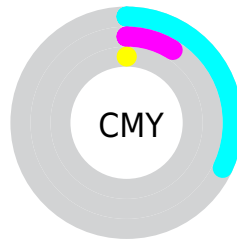
- Red (68%)
- Green (91%)
- Blue (100%)



- Red (68%)
- Yellow (81%)
- Blue (100%)



- Cyan (32%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (32%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1402, 73.8175, 105.4754 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 64.1402, 73.8175, 105.4754 by changing the saturation by 10% instead.

64.1402, 73.8175,
105.4754

64.1402, 73.8175,
105.4754

429.2900,
473.8433, 599.0042

47.0263, 54.6447,
80.2388

109.8854,
124.6371, 170.7788

33.2645, 39.1173,
59.3876

139.2475,
157.0526, 211.6826

22.4894, 26.8510,
42.5031

173.4230,
194.6512, 258.6460

14.3355, 17.4614,
29.1669

212.7774,
237.8172, 312.0874

8.4377, 10.5640,
18.9605

257.6759,
286.9350, 372.4254

4.4304, 5.7745,
11.4652

308.4839,

1.9484, 2.7084,

342.3890, 440.0785

6.2626

365.5668,
404.5636, 515.4653

■ 0.6047, 0.9815,
2.9340

■ 0.0000, 0.0000,
1.0610

■ 64.1402, 73.8175,
105.4754

■ 64.1402, 73.8175,
105.4754

■ 57.0586, 67.2407,
104.5792

■ 72.3838, 81.1186,
106.4502

■ 51.0706, 61.3460,
103.7570

■ 81.8409, 89.1664,
107.5051

■ 46.1097, 56.0995,
103.0058

■ 92.5669, 97.9928,
108.6435

■ 42.0990, 51.4602,
102.3217

95.0500, 100.0000,
108.9000

■ 38.9503, 47.3809,
101.7003

■ 36.5568, 43.8053,
101.1363

■ 35.0839, 41.2878,
100.7280

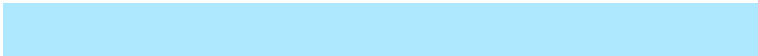
Harmonies

Analogous

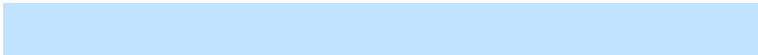
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.2087, 73.8175, 91.7965



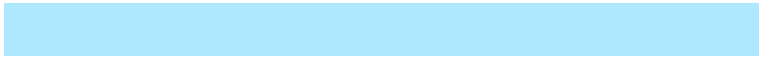
64.1402, 73.8175, 105.4754



68.7909, 73.8175, 112.6038

Triad

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



64.1402, 73.8175, 105.4754



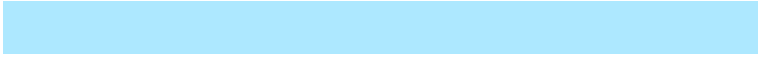
80.6603, 73.8175, 84.3903



66.4171, 73.8175, 56.4315

Complementary

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



64.1402, 73.8175, 105.4754



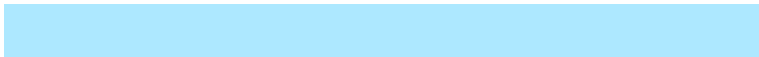
68.5229, 63.7568, 48.2317

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.



71.5498, 73.8175, 54.9692



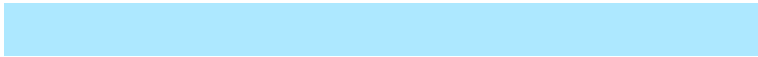
64.1402, 73.8175, 105.4754



79.9469, 73.8175, 69.9420

Square

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



64.1402, 73.8175, 105.4754



78.4514, 73.8175, 99.4776



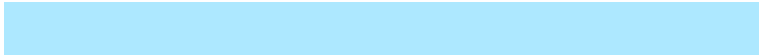
76.5479, 73.8175, 59.6101



62.4768, 73.8175, 63.8888

Rectangle

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



64.1402, 73.8175, 105.4754



72.3120, 73.8175, 112.1305



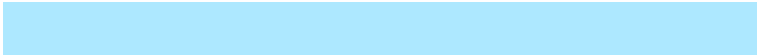
76.5479, 73.8175, 59.6101



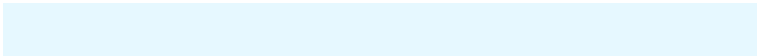
68.0537, 73.8175, 55.2636

Sweetspot

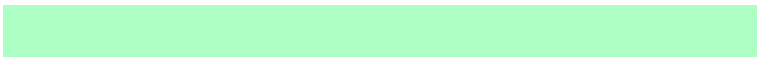
The Sweet Spot groups the original color and five complimentary colors.



64.1422, 73.8203, 105.4758



84.0438, 91.0021, 107.7433



62.8299, 84.3389, 64.5199



17.6799, 19.2211, 23.0282



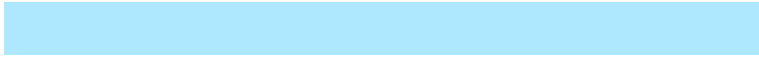
0.0000, 0.0000, 0.0000



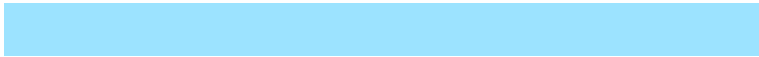
20.3446, 21.4041, 23.3091

Same Dimension

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



64.1422, 73.8203, 105.4758



59.1724, 69.2412, 104.8539



54.1639, 53.8637, 102.1497



18.0990, 19.5696, 23.0733



18.4648, 21.8391, 52.6768



1.8903, 2.3113, 5.1598

Inverse Universe

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



70.7504, 56.9750, 83.6155



66.9333, 50.4383, 78.9601



78.7405, 84.1919, 51.6376



18.5626, 18.2084, 21.5799



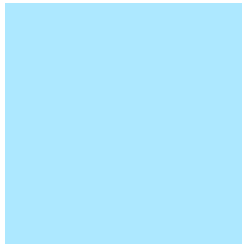
26.1084, 12.9326, 25.0189



2.5887, 1.2779, 2.6817

Previews

White Background



This preview shows how the XYZ color 64.1402, 73.8175, 105.4754 looks on a white background.

Color Contrast Check

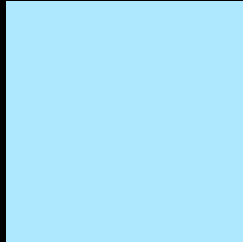
Large Text (above 18pt) WCAG AA × Fail

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 64.1402, 73.8175, 105.4754 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 64.1402, 73.8175, 105.4754

Background



This preview shows how black text looks on a background with the XYZ color 64.1402, 73.8175, 105.4754.

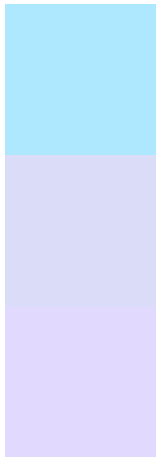


This preview shows how white text looks on a background with the XYZ color 64.1402, 73.8175,

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

64.1402, 73.8175, 105.4754

Protanopia

72.0131, 73.5503, 99.2081

Deuteranopia

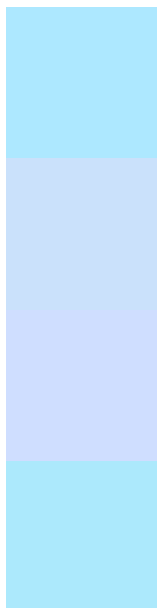
74.2269, 73.0145, 104.7888



Tritanopia

63.5648, 74.0135, 102.2026

Trichromacy



Original Color

64.1402, 73.8175, 105.4754

Protanomaly

68.6949, 73.3720, 101.8084

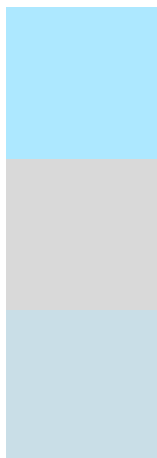
Deuteranomaly

69.9034, 72.7280, 104.9613

Tritanomaly

63.7229, 74.0768, 103.0352

Monochromacy



Original Color

64.1402, 73.8175, 105.4754

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

64.6325, 70.4296, 85.7891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1402, 73.8175, 105.4754 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, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(173, 232, 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(173, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 232, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.1402, 73.8175, 105.4754 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, 232, 255) }
```


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

```
.border{ border-color:rgb(173, 232, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(173, 232,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1402, 73.8175, 105.4754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 232, 255) }
```

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

```
.background{ background-color: rgb(173,  
232, 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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