

Converting Colors

XYZ(69.5455, 75.1749,
139.0538)

Have a look what the booklet for
XYZ(69.5455, 75.1749, 139.0538)
contains.

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Color

**XYZ(63.1414, 72.4716,
105.2682)**

Conversions

Conversions Part 1

Format	Color
Hex	ABE6FF
RGB	171, 230, 255
RGB Percent	67%, 90%, 100%
CMY	0.3294, 0.0980, 0.0000
CMYK	0.33, 0.10, 0.00, 0.00
HSL	198°, 100%, 84%
HSV	198°, 33%, 100%
XYZ	63.1414, 72.4716, 105.2682
YIQ	215.2090, -43.1890, -4.7330

Conversions

Conversions Part 2

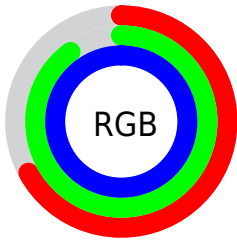
Format	Color
R_{YB}	171, 206, 255
Decimal	11265791
CIE _{Lab}	88.20, -12.84, -18.12
CIE _{LCh}	88, 22.204, 234.671
Yxy	72.4716, 0.2621, 0.3009
Android (android.graphics.Color)	4289455871 (0xFFABE6FF)
YUV	215.2090, 19.6170, -38.7713
Hunter-Lab	85.1303, -16.5839, -13.7241

Details

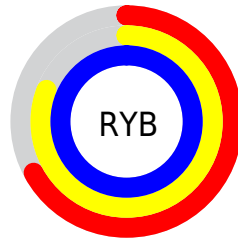
The XYZ color **63.1414, 72.4716, 105.2682** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.3308, 63.6800, 47.2199**, and the grayscale version is **64.6268, 67.9925, 74.0438**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **32.5316, 38.0623, 59.0582** is the 20% darker color. If you saturate the color by 10%, you get **56.0479, 65.7494, 104.3446**, and if you desaturate by 10%, it is **71.4023, 79.9355, 106.2735**.

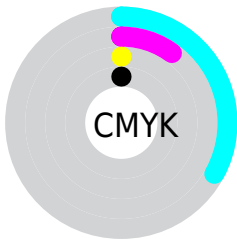
Distribution



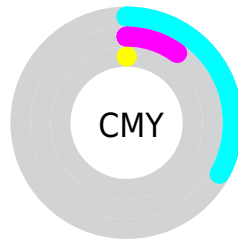
- Red (67%)
- Green (90%)
- Blue (100%)



- Red (67%)
- Yellow (81%)
- Blue (100%)



- Cyan (33%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.1414, 72.4716, 105.2682 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 63.1414, 72.4716, 105.2682 by changing the saturation by 10% instead.

63.1414, 72.4716,
105.2682

63.1414, 72.4716,
105.2682

425.7340,
469.1814, 598.3445

46.2147, 53.5440,
80.0662

108.4541,
122.7268, 170.4930

32.6206, 38.2372,
59.2463

137.5709,
154.8232, 211.3529

21.9938, 26.1669,
42.3901

171.4817,
192.0779, 258.2691

13.9689, 16.9485,
29.0790

210.5519,
234.8755, 311.6603

8.1806, 10.1978,
18.8945

255.1469,
283.6002, 371.9448

4.2635, 5.5303,
11.4180

305.6320,

1.8523, 2.5616,

338.6365, 439.5413

6.2311

362.3726,
400.3688, 514.8684

■ 0.5489, 0.9074,
2.9150

■ 0.0000, 0.0000,
1.0514

■ 63.1414, 72.4716,
105.2682

■ 63.1414, 72.4716,
105.2682

■ 56.0479, 65.7494,
104.3446

■ 71.4023, 79.9355,
106.2735

■ 50.0528, 59.7265,
103.4980

■ 80.8825, 88.1645,
107.3622

■ 45.0888, 54.3681,
102.7254

■ 91.6381, 97.1908,
108.5376

■ 41.0781, 49.6325,
102.0227

95.0500, 100.0000,
108.9000

■ 37.9309, 45.4714,
101.3854

■ 35.5387, 41.8271,
100.8081

■ 34.1935, 39.5071,
100.4312

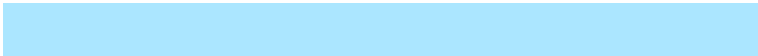
Harmonies

Analogous

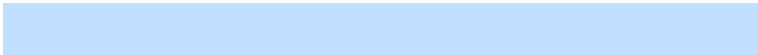
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.0090, 72.4716, 91.7630



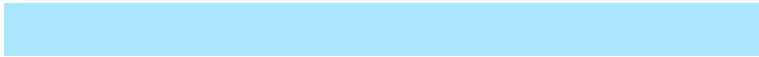
63.1414, 72.4716, 105.2682



67.9375, 72.4716, 111.7744

Triad

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



63.1414, 72.4716, 105.2682



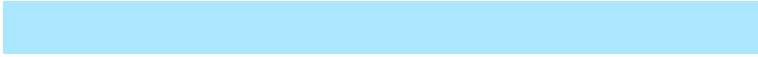
79.5634, 72.4716, 81.6583



64.7051, 72.4716, 55.1952

Complementary

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



63.1414, 72.4716, 105.2682



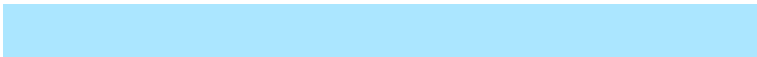
68.3308, 63.6800, 47.2199

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.



69.8354, 72.4716, 53.2145



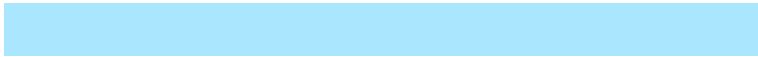
63.1414, 72.4716, 105.2682



78.5894, 72.4716, 67.3156

Square

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



63.1414, 72.4716, 105.2682



77.5578, 72.4716, 97.0674



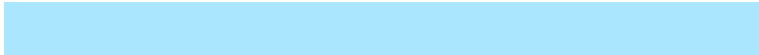
74.9606, 72.4716, 57.3645



60.8787, 72.4716, 63.1698

Rectangle

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



63.1414, 72.4716, 105.2682



71.5021, 72.4716, 110.7341



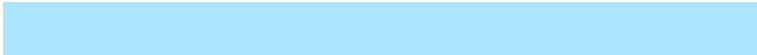
74.9606, 72.4716, 57.3645



66.3269, 72.4716, 53.8534

Sweetspot

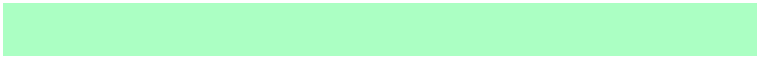
The Sweet Spot groups the original color and five complimentary colors.



63.1434, 72.4744, 105.2687



83.9097, 90.7340, 107.6986



62.3834, 84.1095, 64.4596



17.6474, 19.1560, 23.0173



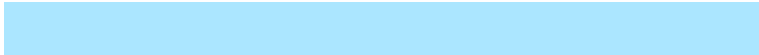
0.0000, 0.0000, 0.0000



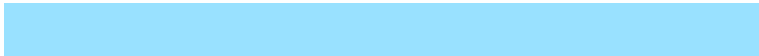
20.3446, 21.4041, 23.3091

Same Dimension

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



63.1434, 72.4744, 105.2687



58.0167, 67.6519, 104.6081



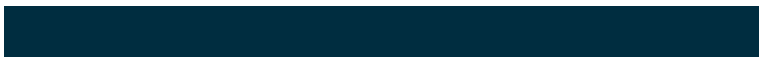
53.0866, 52.3609, 101.9164



18.0717, 19.5150, 23.0642



18.0034, 20.9163, 52.5230



1.8483, 2.2273, 5.1458

Inverse Universe

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



70.0871, 56.1006, 82.0006



66.1737, 49.4594, 77.0407



78.8176, 84.6535, 50.7155



18.5488, 18.2028, 21.5073



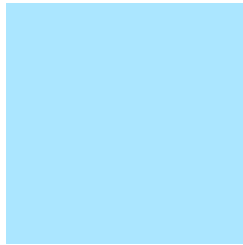
25.8755, 12.8395, 23.7924



2.5675, 1.2694, 2.5701

Previews

White Background



This preview shows how the XYZ color 63.1414, 72.4716, 105.2682 looks on a white background.

Color Contrast Check

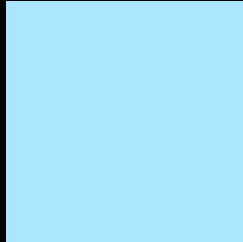
Large Text (above 18pt) WCAG AA × Fail

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 63.1414, 72.4716, 105.2682 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 63.1414, 72.4716, 105.2682

Background



This preview shows how black text looks on a background with the XYZ color 63.1414, 72.4716, 105.2682.

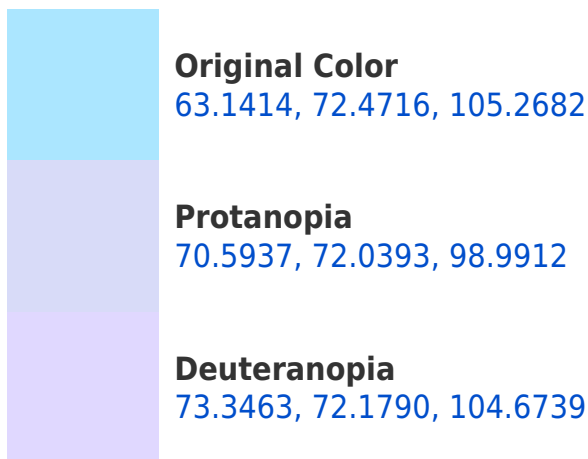


This preview shows how white text looks on a background with the XYZ color 63.1414, 72.4716,

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

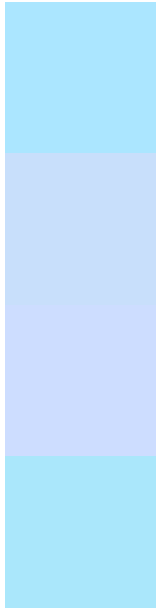




Tritanopia

62.2524, 72.5374, 100.3426

Trichromacy



Original Color

63.1414, 72.4716, 105.2682

Protanomaly

67.6197, 72.0197, 101.6041

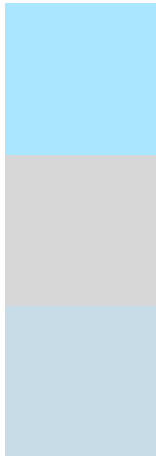
Deuteranomaly

69.0833, 71.9120, 104.8471

Tritanomaly

62.5661, 72.6629, 101.9945

Monochromacy



Original Color

63.1414, 72.4716, 105.2682

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

63.4293, 69.0417, 84.8462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.1414, 72.4716, 105.2682 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(171, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 230, 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(171, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 230, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.1414, 72.4716, 105.2682 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(171, 230, 255) }
```


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

```
.border{ border-color:rgb(171, 230, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 230,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.1414, 72.4716, 105.2682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 230, 255) }
```

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

```
.background{ background-color: rgb(171,  
230, 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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