

Converting Colors

XYZ(63.8903, 71.7996,
119.3946)

Have a look what the booklet for
XYZ(63.8903, 71.7996, 119.3946)
contains.

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Color

**XYZ(61.1032, 70.5993,
105.0143)**

Conversions

Conversions Part 1

Format	Color
Hex	A4E4FF
RGB	164, 228, 255
RGB Percent	64%, 89%, 100%
CMY	0.3568, 0.1059, 0.0000
CMYK	0.36, 0.11, 0.00, 0.00
HSL	198°, 100%, 82%
HSV	198°, 36%, 100%
XYZ	61.1032, 70.5993, 105.0143
YIQ	211.9420, -46.8110, -5.1710

Conversions

Conversions Part 2

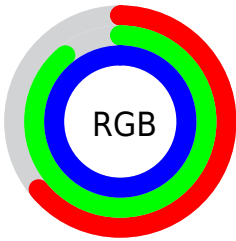
Format	Color
RYB	164, 202, 255
Decimal	10806527
CIELab	87.29, -13.68, -19.52
CIELCh	87, 23.836, 234.963
Yxy	70.5993, 0.2581, 0.2982
Android (android.graphics.Color)	4288996607 (0xFFA4E4FF)
YUV	211.9420, 21.2276, -42.0451
Hunter-Lab	84.0234, -17.2328, -15.2856

Details

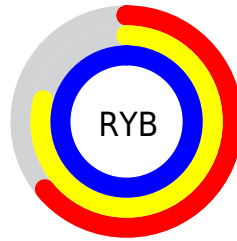
The XYZ color **61.1032, 70.5993, 105.0143** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.5719, 61.2019, 43.4282**, and the grayscale version is **62.4282, 65.6793, 71.5247**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **31.3210, 37.1525, 58.9464** is the 20% darker color. If you saturate the color by 10%, you get **54.3234, 64.0835, 104.1139**, and if you desaturate by 10%, it is **69.0330, 77.8465, 105.9952**.

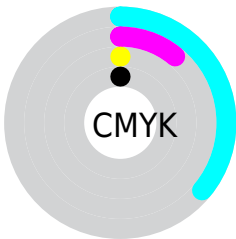
Distribution



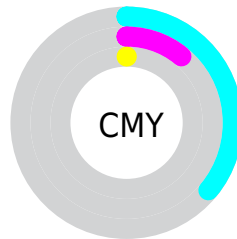
- Red (64%)
- Green (89%)
- Blue (100%)



- Red (64%)
- Yellow (79%)
- Blue (100%)



- Cyan (36%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.1032, 70.5993, 105.0143 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 61.1032, 70.5993, 105.0143 by changing the saturation by 10% instead.

61.1032, 70.5993,
105.0143

61.1032, 70.5993,
105.0143

418.4222,
462.6515, 597.5356

44.5613, 52.0153,
79.8546

105.5256,
120.0630, 170.1428

31.3118, 37.0172,
59.0733

134.1369,
151.7115, 210.9488

20.9894, 25.2208,
42.2517

167.5019,
188.4835, 257.8072

13.2287, 16.2417,
28.9714

205.9862,
230.7635, 311.1366

7.6643, 9.6953,
18.8138

249.9550,
278.9360, 371.3556

3.9309, 5.1974,
11.3604

299.7737,

1.6631, 2.3636,

333.3852, 438.8828

6.1925

355.8076,
394.4955, 514.1366

■ 0.4330, 0.8070,
2.8918

■ 0.0000, 0.0000,
1.0397

■ 61.1032, 70.5993,
105.0143

■ 61.1032, 70.5993,
105.0143

■ 54.3234, 64.0835,
104.1139

■ 69.0330, 77.8465,
105.9952

■ 48.6231, 58.2560,
103.2896

■ 78.1662, 85.8492,
107.0585

■ 43.9329, 53.0811,
102.5379

■ 88.5598, 94.6403,
108.2075

■ 40.1724, 48.5153,
101.8548

95.0500, 100.0000,
108.9000

■ 37.2474, 44.5085,
101.2356

■ 35.0419, 40.9989,
100.6744

■ 34.2401, 39.6003,
100.4467

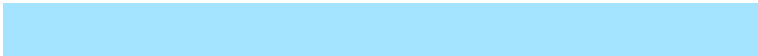
Harmonies

Analogous

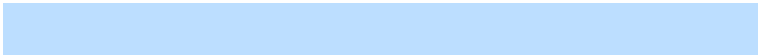
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.7982, 70.5993, 90.6469



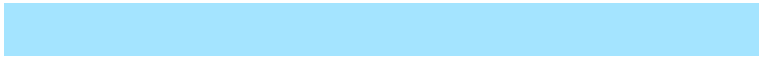
61.1032, 70.5993, 105.0143



66.1607, 70.5993, 111.8996

Triad

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



61.1032, 70.5993, 105.0143



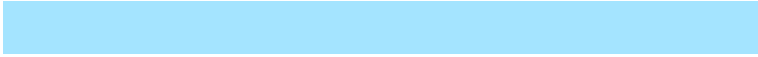
78.4213, 70.5993, 79.6128



62.6560, 70.5993, 52.1458

Complementary

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



61.1032, 70.5993, 105.0143



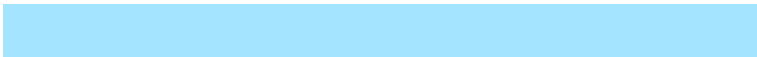
66.5719, 61.2019, 43.4282

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.



68.0533, 70.5993, 50.0407



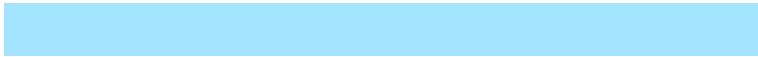
61.1032, 70.5993, 105.0143



77.3553, 70.5993, 64.5660

Square

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



61.1032, 70.5993, 105.0143



76.3195, 70.5993, 95.9879



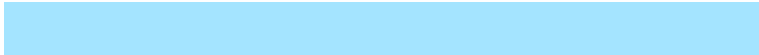
73.4822, 70.5993, 54.2663



58.6592, 70.5993, 60.4768

Rectangle

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



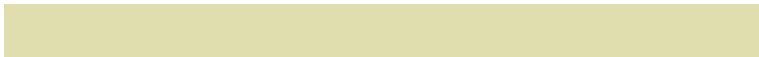
61.1032, 70.5993, 105.0143



69.9239, 70.5993, 110.7127



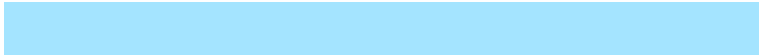
73.4822, 70.5993, 54.2663



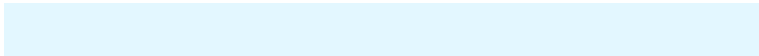
64.3581, 70.5993, 50.7405

Sweetspot

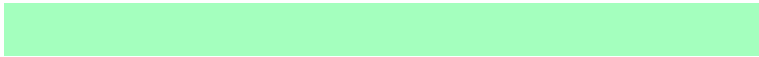
The Sweet Spot groups the original color and five complimentary colors.



61.1051, 70.6020, 105.0147



82.8753, 89.8678, 107.5860



60.3415, 83.1213, 61.4564



17.4409, 18.9826, 22.9947



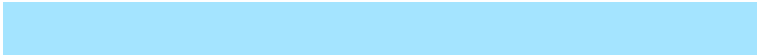
0.0000, 0.0000, 0.0000



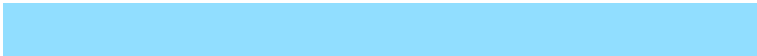
20.3446, 21.4041, 23.3091

Same Dimension

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



61.1051, 70.6020, 105.0147



56.0351, 65.7642, 104.3481



50.4429, 49.2775, 101.4606



18.0731, 19.5179, 23.0647



18.0275, 20.9646, 52.5310



1.8505, 2.2317, 5.1465

Inverse Universe

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



68.5203, 53.4139, 80.1003



64.6669, 46.9171, 75.0856



77.7309, 83.5200, 47.1479



18.5496, 18.2031, 21.5111



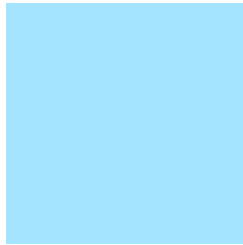
25.8877, 12.8444, 23.8566



2.5687, 1.2698, 2.5759

Previews

White Background



This preview shows how the XYZ color 61.1032, 70.5993, 105.0143 looks on a white background.

Color Contrast Check

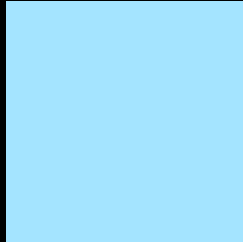
Large Text (above 18pt) WCAG AA × Fail

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 61.1032, 70.5993, 105.0143 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 61.1032, 70.5993, 105.0143

Background



This preview shows how black text looks on a background with the XYZ color 61.1032, 70.5993, 105.0143.

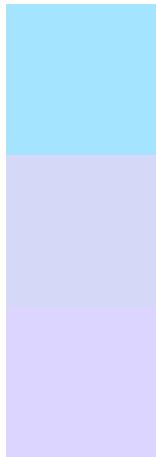


This preview shows how white text looks on a background with the XYZ color 61.1032, 70.5993,

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

61.1032, 70.5993, 105.0143

Protanopia

68.7849, 69.9733, 97.8765

Deuteranopia

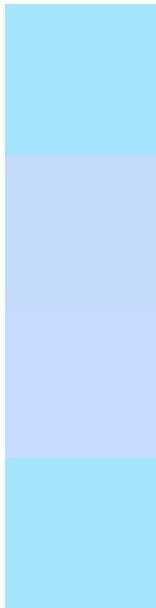
71.0577, 69.8686, 104.3486



Tritanopia

59.8629, 70.4973, 99.2592

Trichromacy



Original Color

61.1032, 70.5993, 105.0143

Protanomaly

65.3542, 69.6906, 100.4496

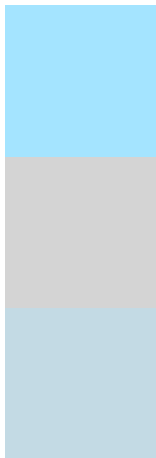
Deuteranomaly

66.6746, 69.5049, 104.5094

Tritanomaly

60.5362, 70.7902, 101.7401

Monochromacy



Original Color

61.1032, 70.5993, 105.0143

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

61.5807, 67.3463, 83.1523

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.1032, 70.5993, 105.0143 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(164, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(164, 228, 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(164, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 228, 255) }
```

Border

The CSS property to change the border of an element to XYZ 61.1032, 70.5993, 105.0143 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(164, 228, 255) }
```


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

```
.border{ border-color:rgb(164, 228, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(164, 228,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 61.1032, 70.5993, 105.0143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 228, 255) }
```

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

```
.background{ background-color: rgb(164,  
228, 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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