

Converting Colors

XYZ(64.5755, 72.0614,
122.1416)

Have a look what the booklet for
XYZ(64.5755, 72.0614, 122.1416)
contains.

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Color

**XYZ(61.3105, 70.7061,
105.0240)**

Conversions

Conversions Part 1

Format	Color
Hex	A5E4FF
RGB	165, 228, 255
RGB Percent	65%, 89%, 100%
CMY	0.3529, 0.1059, 0.0000
CMYK	0.35, 0.11, 0.00, 0.00
HSL	198°, 100%, 82%
HSV	198°, 35%, 100%
XYZ	61.3105, 70.7061, 105.0240
YIQ	212.2410, -46.2150, -4.9590

Conversions

Conversions Part 2

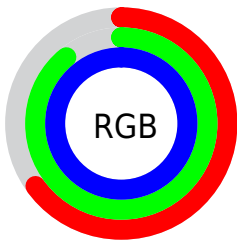
Format	Color
R _Y B	165, 202, 255
Decimal	10872063
CIE Lab	87.34, -13.42, -19.43
CIE LCh	87, 23.617, 235.369
Yxy	70.7061, 0.2586, 0.2983
Android (android.graphics.Color)	4289062143 (0xFFA5E4FF)
YUV	212.2410, 21.0802, -41.4304
Hunter-Lab	84.0869, -17.0020, -15.1920

Details

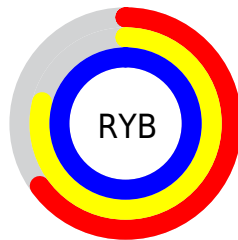
The XYZ color **61.3105, 70.7061, 105.0240** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.8817, 61.6762, 43.9791**, and the grayscale version is **62.6275, 65.8890, 71.7531**.

A 20% lighter version of the original color is **83.9342, 94.2696, 108.3798**, and **31.4433, 37.2156, 58.9522** is the 20% darker color. If you saturate the color by 10%, you get **54.4683, 64.1253, 104.1144**, and if you desaturate by 10%, it is **69.3071, 78.0236, 106.0149**.

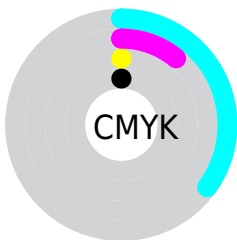
Distribution



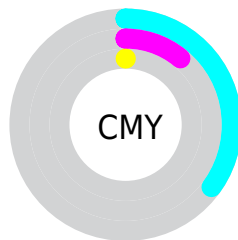
- Red (65%)
- Green (89%)
- Blue (100%)



- Red (65%)
- Yellow (79%)
- Blue (100%)



- Cyan (35%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.3105, 70.7061, 105.0240 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 61.3105, 70.7061, 105.0240 by changing the saturation by 10% instead.

61.3105, 70.7061,
105.0240

61.3105, 70.7061,
105.0240

419.1693,
463.0254, 597.5665

44.7293, 52.1024,
79.8627

105.8240,
120.2152, 170.1562

31.4446, 37.0867,
59.0799

134.4869,
151.8893, 210.9642

21.0911, 25.2746,
42.2570

167.9078,
188.6890, 257.8248

13.3035, 16.2818,
28.9755

206.4521,
230.9987, 311.1566

7.7163, 9.7238,
18.8169

250.4850,
279.2028, 371.3782

3.9642, 5.2162,
11.3626

300.3719,

1.6819, 2.3747,

333.6857, 438.9080

6.1940

356.4782,
394.8318, 514.1645

■ 0.4449, 0.8128,
2.8927

■ 0.0000, 0.0000,
1.0401

■ 61.3105, 70.7061,
105.0240

■ 61.3105, 70.7061,
105.0240

■ 54.4683, 64.1253,
104.1144

■ 69.3071, 78.0236,
106.0149

■ 48.7102, 58.2381,
103.2815

■ 78.5114, 86.1020,
107.0891

■ 43.9672, 53.0089,
102.5222

■ 88.9802, 94.9739,
108.2498

■ 40.1590, 48.3945,
101.8322

95.0500, 100.0000,
108.9000

■ 37.1922, 44.3447,
101.2069

■ 34.9518, 40.7985,
100.6405

■ 34.0716, 39.2631,
100.3905

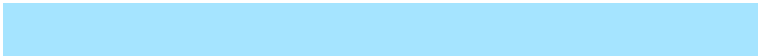
Harmonies

Analogous

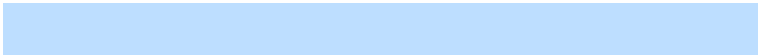
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.0007, 70.7061, 90.8622



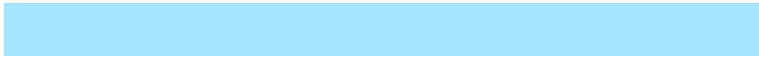
61.3105, 70.7061, 105.0240



66.3446, 70.7061, 111.7097

Triad

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



61.3105, 70.7061, 105.0240



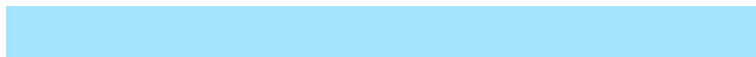
78.4316, 70.7061, 79.4853



62.7275, 70.7061, 52.5060

Complementary

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



61.3105, 70.7061, 105.0240



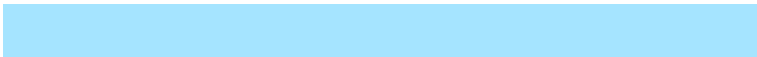
66.8817, 61.6762, 43.9791

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.



68.0708, 70.7061, 50.3269



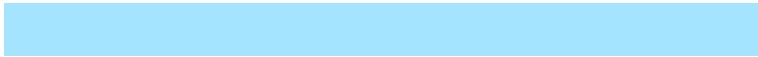
61.3105, 70.7061, 105.0240



77.3328, 70.7061, 64.6014

Square

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



61.3105, 70.7061, 105.0240



76.3889, 70.7061, 95.7279



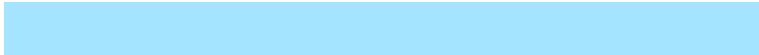
73.4636, 70.7061, 54.4445



58.7866, 70.7061, 60.8670

Rectangle

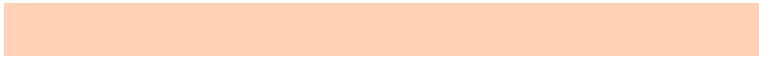
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61.3105, 70.7061, 105.0240



70.0771, 70.7061, 110.4395



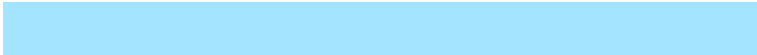
73.4636, 70.7061, 54.4445



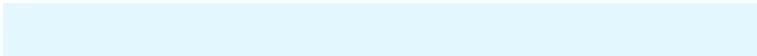
64.4106, 70.7061, 51.0800

Sweetspot

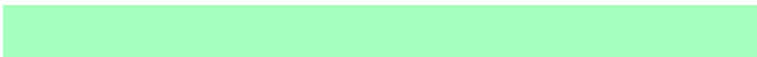
The Sweet Spot groups the original color and five complimentary colors.



61.3124, 70.7088, 105.0244



82.8470, 89.8112, 107.5765



60.6273, 83.2595, 61.8793



17.4341, 18.9691, 22.9925



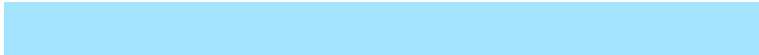
0.0000, 0.0000, 0.0000



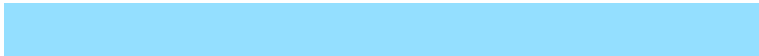
20.3446, 21.4041, 23.3091

Same Dimension

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



61.3124, 70.7088, 105.0244



56.5984, 66.2142, 104.4053



50.8132, 49.7103, 101.5246



18.0679, 19.5074, 23.0630



17.9401, 20.7898, 52.5019



1.8425, 2.2157, 5.1438

Inverse Universe

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



68.7001, 53.7735, 80.1601



65.1164, 47.7293, 75.5031



77.8839, 83.6807, 47.6465



18.5469, 18.2021, 21.4971



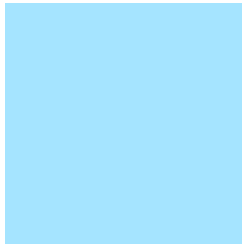
25.8435, 12.8267, 23.6243



2.5646, 1.2682, 2.5547

Previews

White Background



This preview shows how the XYZ color 61.3105, 70.7061, 105.0240 looks on a white background.

Color Contrast Check

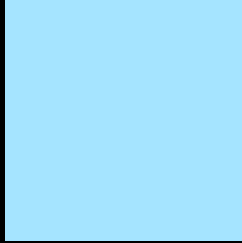
Large Text (above 18pt) WCAG AA × Fail

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 61.3105, 70.7061, 105.0240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

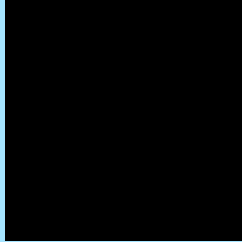
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 61.3105, 70.7061, 105.0240

Background



This preview shows how black text looks on a background with the XYZ color 61.3105, 70.7061, 105.0240.



This preview shows how white text looks on a background with the XYZ color 61.3105, 70.7061,

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

61.3105, 70.7061, 105.0240

Protanopia

68.7849, 69.9733, 97.8765

Deuteranopia

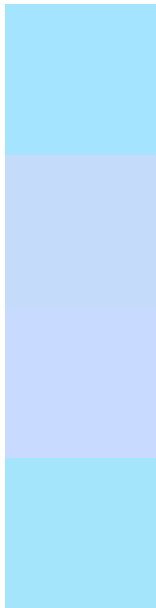
71.3594, 70.0241, 104.3627



Tritanopia

60.0668, 70.6025, 99.2687

Trichromacy



Original Color

61.3105, 70.7061, 105.0240

Protanomaly

65.6135, 69.8243, 100.4617

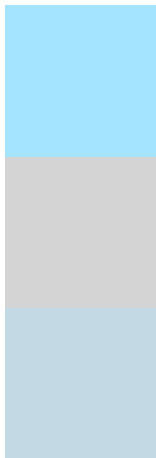
Deuteranomaly

66.9408, 69.6422, 104.5219

Tritanomaly

60.7417, 70.8962, 101.7497

Monochromacy



Original Color

61.3105, 70.7061, 105.0240

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 61.3105, 70.7061, 105.0240 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(165, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 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(165, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 228, 255) }
```

Border

The CSS property to change the border of an element to XYZ 61.3105, 70.7061, 105.0240 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(165, 228, 255) }
```


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

```
.border{ border-color:rgb(165, 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(165, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(165, 228,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 61.3105, 70.7061, 105.0240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 228, 255) }
```

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

```
.background{ background-color: rgb(165,  
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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