

Converting Colors

XYZ(61.8584, 72.1308,
105.2701)

Have a look what the booklet for
XYZ(61.8584, 72.1308, 105.2701)
contains.

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Color

**XYZ(61.9358, 72.2643,
105.2918)**

Conversions

Conversions Part 1

Format	Color
Hex	A4E7FF
RGB	164, 231, 255
RGB Percent	64%, 91%, 100%
CMY	0.3568, 0.0941, 0.0000
CMYK	0.36, 0.09, 0.00, 0.00
HSL	196°, 100%, 82%
HSV	196°, 36%, 100%
XYZ	61.9358, 72.2643, 105.2918
YIQ	213.7030, -47.6360, -6.7400

Conversions

Conversions Part 2

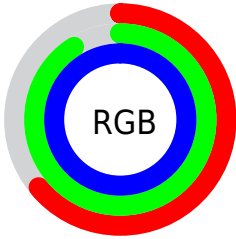
Format	Color
RYB	164, 203, 255
Decimal	10807295
CIELab	88.10, -15.21, -18.30
CIELCh	88, 23.794, 230.278
Yxy	72.2643, 0.2586, 0.3017
Android (android.graphics.Color)	4288997375 (0xFFA4E7FF)
YUV	213.7030, 20.3594, -43.5895
Hunter-Lab	85.0084, -18.7124, -13.9310

Details

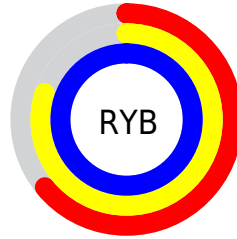
The XYZ color **61.9358, 72.2643, 105.2918** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.9246, 59.9071, 43.2127**, and the grayscale version is **63.6092, 66.9218, 72.8778**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **31.7074, 37.9253, 59.0752** is the 20% darker color. If you saturate the color by 10%, you get **55.3457, 66.1281, 104.4547**, and if you desaturate by 10%, it is **69.6572, 79.0945, 106.2032**.

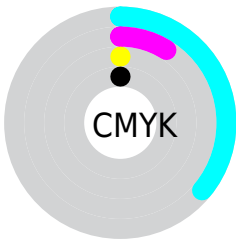
Distribution



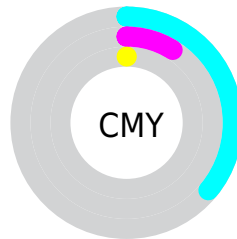
- Red (64%)
- Green (91%)
- Blue (100%)



- Red (64%)
- Yellow (80%)
- Blue (100%)



- Cyan (36%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.9358, 72.2643, 105.2918 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 61.9358, 72.2643, 105.2918 by changing the saturation by 10% instead.

61.9358, 72.2643,
105.2918

61.9358, 72.2643,
105.2918

421.4182,
468.4610, 598.4197

45.2362, 53.3746,
80.0858

106.7232,
122.4322, 170.5256

31.8456, 38.1019,
59.2624

135.5417,
154.4792, 211.3905

21.3986, 26.0618,
42.4030

169.1306,
191.6808, 258.3121

13.5298, 16.8699,
29.0890

207.8553,
234.4214, 311.7089

7.8739, 10.1418,
18.9020

252.0810,
283.0853, 371.9996

4.0655, 5.4930,
11.4234

302.1731,

1.7392, 2.5394,

338.0569, 439.6025

6.2346

358.4971,
399.7207, 514.9364

■ 0.4806, 0.8963,
2.9172

■ 0.0000, 0.0000,
1.0525

■ 61.9358, 72.2643,
105.2918

■ 61.9358, 72.2643,
105.2918

■ 55.3457, 66.1281,
104.4547

■ 69.6572, 79.0945,
106.2032

■ 49.8168, 60.6433,
103.6875

■ 78.5628, 86.6420,
107.1906

■ 45.2799, 55.7750,
102.9869

■ 88.7093, 94.9389,
108.2573

■ 41.6550, 51.4804,
102.3490

95.0500, 100.0000,
108.9000

■ 38.8483, 47.7102,
101.7692

■ 36.7442, 44.4034,
101.2418

■ 35.9810, 43.0819,
101.0270

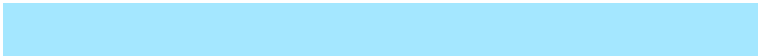
Harmonies

Analogous

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



58.9365, 72.2643, 90.0353



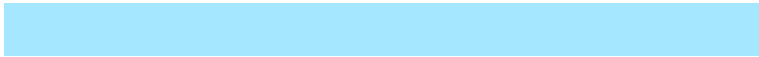
61.9358, 72.2643, 105.2918



66.8562, 72.2643, 113.7350

Triad

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



61.9358, 72.2643, 105.2918



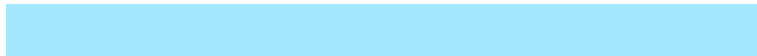
80.0281, 72.2643, 84.0876



64.9672, 72.2643, 52.8276

Complementary

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



61.9358, 72.2643, 105.2918



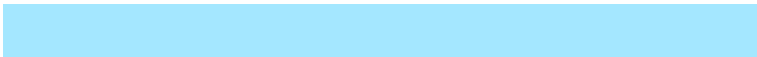
65.9246, 59.9071, 43.2127

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.



70.5470, 72.2643, 51.6933



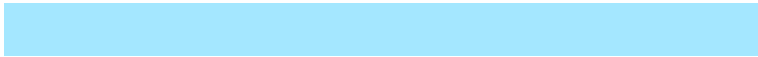
61.9358, 72.2643, 105.2918



79.4534, 72.2643, 68.3284

Square

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



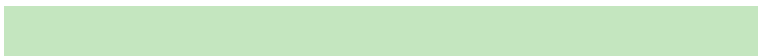
61.9358, 72.2643, 105.2918



77.4372, 72.2643, 100.4253



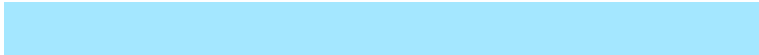
75.9076, 72.2643, 56.9842



60.6185, 72.2643, 60.3307

Rectangle

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



61.9358, 72.2643, 105.2918



70.6532, 72.2643, 113.6677



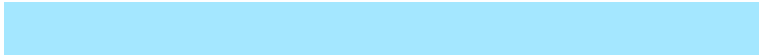
75.9076, 72.2643, 56.9842



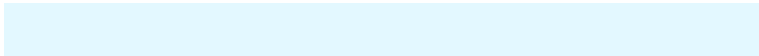
66.7538, 72.2643, 51.7331

Sweetspot

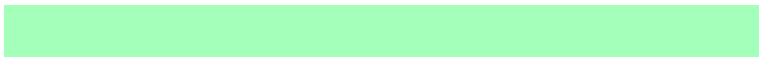
The Sweet Spot groups the original color and five complimentary colors.



61.9378, 72.2670, 105.2922



83.1583, 90.4337, 107.6803



60.0140, 82.9903, 59.7310



17.5085, 19.1180, 23.0173



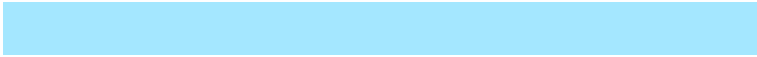
0.0000, 0.0000, 0.0000



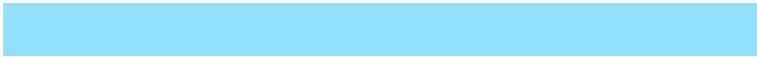
20.3446, 21.4041, 23.3091

Same Dimension

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



61.9378, 72.2670, 105.2922



57.0082, 67.7104, 104.6725



51.0788, 50.5490, 101.6725



18.1258, 19.6231, 23.0823



18.9293, 22.7682, 52.8316



1.9324, 2.3955, 5.1738

Inverse Universe

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



68.9406, 53.5822, 82.3131



65.1581, 47.1136, 77.6721



76.8686, 81.7952, 46.8607



18.5761, 18.2138, 21.6510



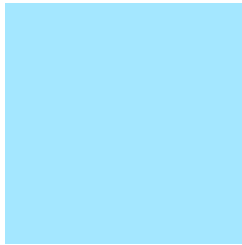
26.3428, 13.0264, 26.2536



2.6100, 1.2864, 2.7936

Previews

White Background



This preview shows how the XYZ color 61.9358, 72.2643, 105.2918 looks on a white background.

Color Contrast Check

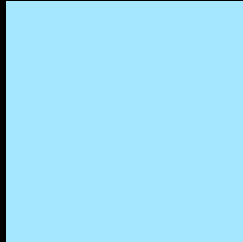
Large Text (above 18pt) WCAG AA × Fail

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 61.9358, 72.2643, 105.2918 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 61.9358, 72.2643, 105.2918

Background



This preview shows how black text looks on a background with the XYZ color 61.9358, 72.2643, 105.2918.

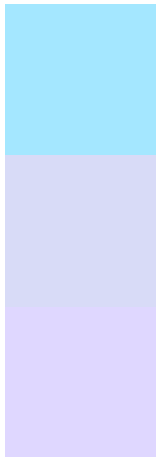


This preview shows how white text looks on a background with the XYZ color 61.9358, 72.2643,

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

61.9358, 72.2643, 105.2918

Protanopia

70.4389, 71.9774, 98.1762

Deuteranopia

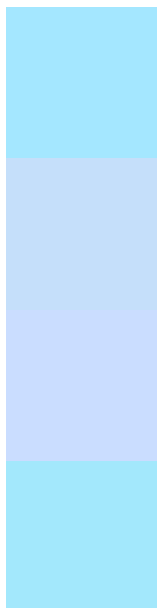
72.7819, 71.5089, 104.5743



Tritanopia

61.2162, 72.4019, 101.1910

Trichromacy



Original Color

61.9358, 72.2643, 105.2918

Protanomaly

66.6690, 71.5478, 100.7388

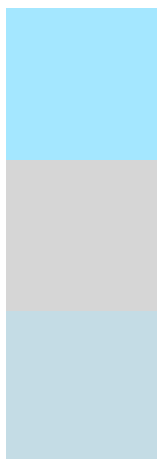
Deuteranomaly

68.2636, 71.4895, 104.8087

Tritanomaly

61.5316, 72.5280, 102.8517

Monochromacy



Original Color

61.9358, 72.2643, 105.2918

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

62.5010, 68.5793, 84.0717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.9358, 72.2643, 105.2918 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, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(164, 231, 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, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 231, 255) }
```

Border

The CSS property to change the border of an element to XYZ 61.9358, 72.2643, 105.2918 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, 231, 255) }
```


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

```
.border{ border-color:rgb(164, 231, 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, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(164, 231,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 61.9358, 72.2643, 105.2918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 231, 255) }
```

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

```
.background{ background-color: rgb(164,  
231, 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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