

Converting Colors

XYZ(66.2030, 71.9051,
130.4785)

Have a look what the booklet for
XYZ(66.2030, 71.9051, 130.4785)
contains.

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Color

**XYZ(61.3948, 69.9375,
104.8712)**

Conversions

Conversions Part 1

Format	Color
Hex	A8E2FF
RGB	168, 226, 255
RGB Percent	66%, 89%, 100%
CMY	0.3412, 0.1137, 0.0000
CMYK	0.34, 0.11, 0.00, 0.00
HSL	200°, 100%, 83%
HSV	200°, 34%, 100%
XYZ	61.3948, 69.9375, 104.8712
YIQ	211.9640, -43.8770, -3.2770

Conversions

Conversions Part 2

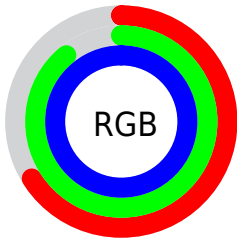
Format	Color
R _Y B	168, 203, 255
Decimal	11068159
CIE Lab	86.97, -11.60, -19.98
CIE LCh	87, 23.109, 239.860
Yxy	69.9375, 0.2599, 0.2961
Android (android.graphics.Color)	4289258239 (0xFFA8E2FF)
YUV	211.9640, 21.2167, -38.5564
Hunter-Lab	83.6286, -15.3068, -15.8102

Details

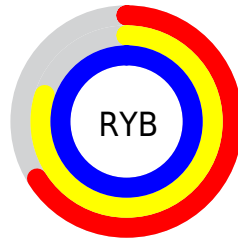
The XYZ color **61.3948, 69.9375, 104.8712** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.2745, 64.0198, 45.8063**, and the grayscale version is **62.4414, 65.6932, 71.5399**.

A 20% lighter version of the original color is **84.8613, 94.7476, 108.4232**, and **31.5660, 36.7137, 58.8488** is the 20% darker color. If you saturate the color by 10%, you get **54.2352, 62.9018, 103.8905**, and if you desaturate by 10%, it is **69.7373, 77.7564, 105.9407**.

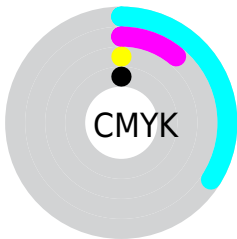
Distribution



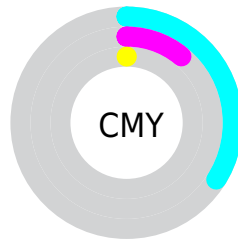
- Red (66%)
- Green (89%)
- Blue (100%)



- Red (66%)
- Yellow (80%)
- Blue (100%)



- Cyan (34%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.3948, 69.9375, 104.8712 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 61.3948, 69.9375, 104.8712 by changing the saturation by 10% instead.

61.3948, 69.9375,
104.8712

61.3948, 69.9375,
104.8712

419.4729,
460.3305, 597.0794

44.7976, 51.4756,
79.7354

105.9452,
119.1196, 169.9454

31.4986, 36.5872,
58.9758

134.6292,
150.6086, 210.7209

21.1325, 24.8881,
42.1737

168.0728,
187.2088, 257.5467

13.3339, 15.9937,
28.9108

206.6414,
229.3044, 310.8414

7.7375, 9.5197,
18.7683

250.7004,
277.2801, 371.0234

3.9778, 5.0817,
11.3279

300.6150,

1.6896, 2.2953,

331.5200, 438.5114

6.1709

356.7508,
392.4087, 513.7239

■ 0.4497, 0.7712,
2.8788

■ 0.0000, 0.0000,
1.0331

■ 61.3948, 69.9375,
104.8712

■ 61.3948, 69.9375,
104.8712

■ 54.2352, 62.9018,
103.8905

■ 69.7373, 77.7564,
105.9407

■ 48.1885, 56.6058,
102.9940

■ 79.3159, 86.3833,
107.1010

■ 43.1860, 51.0133,
102.1782

■ 90.1874, 95.8516,
108.3556

■ 39.1482, 46.0808,
101.4389

95.0500, 100.0000,
108.9000

■ 35.9832, 41.7582,
100.7714

■ 33.5787, 37.9849,
100.1698

■ 32.4262, 35.9724,
99.8421

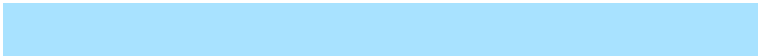
Harmonies

Analogous

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



57.8688, 69.9375, 91.9363



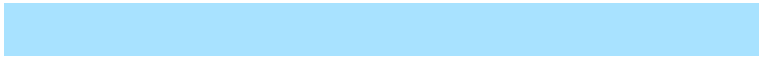
61.3948, 69.9375, 104.8712



66.4481, 69.9375, 109.9270

Triad

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



61.3948, 69.9375, 104.8712



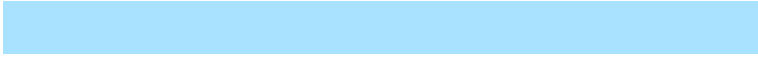
77.4072, 69.9375, 76.2229



61.4366, 69.9375, 53.1618

Complementary

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



61.3948, 69.9375, 104.8712



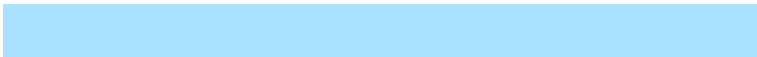
68.2745, 64.0198, 45.8063

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.



66.4989, 69.9375, 50.1152



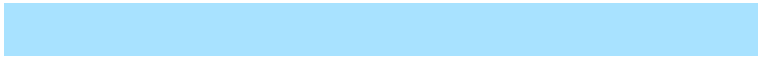
61.3948, 69.9375, 104.8712



75.8915, 69.9375, 62.2830

Square

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



61.3948, 69.9375, 104.8712



75.8637, 69.9375, 92.0793



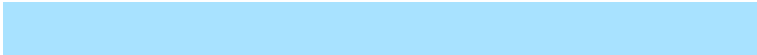
71.8248, 69.9375, 53.2191



57.8920, 69.9375, 62.1728

Rectangle

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



61.3948, 69.9375, 104.8712



70.0638, 69.9375, 107.6835



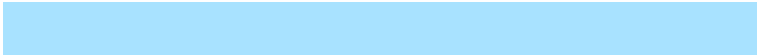
71.8248, 69.9375, 53.2191



63.0080, 69.9375, 51.4652

Sweetspot

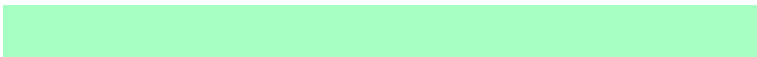
The Sweet Spot groups the original color and five complimentary colors.



61.3967, 69.9402, 104.8716



83.6312, 90.1770, 107.6058



61.8222, 83.8104, 64.8767



17.5798, 19.0209, 22.9948



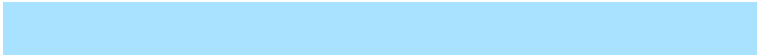
0.0000, 0.0000, 0.0000



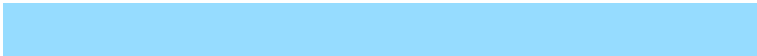
20.3446, 21.4041, 23.3091

Same Dimension

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



61.3967, 69.9402, 104.8716



56.3441, 65.0137, 104.1870



51.3301, 49.8068, 101.5160



18.0149, 19.4014, 23.0453



17.0864, 19.0824, 52.2173



1.7642, 2.0591, 5.1177

Inverse Universe

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



68.9714, 54.7579, 78.8885



65.1569, 48.3920, 73.7230



79.1896, 85.8500, 49.4447



18.5202, 18.1914, 21.3563



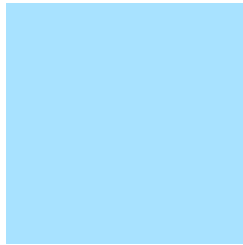
25.4126, 12.6543, 21.3551



2.5251, 1.2524, 2.3465

Previews

White Background



This preview shows how the XYZ color 61.3948, 69.9375, 104.8712 looks on a white background.

Color Contrast Check

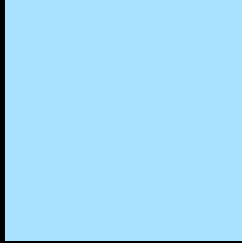
Large Text (above 18pt) WCAG AA × Fail

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 61.3948, 69.9375, 104.8712 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

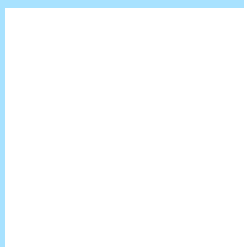
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 61.3948, 69.9375, 104.8712

Background



This preview shows how black text looks on a background with the XYZ color 61.3948, 69.9375, 104.8712.

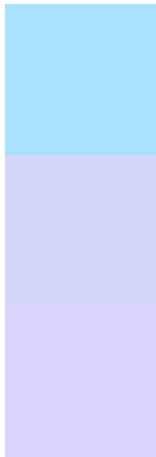


This preview shows how white text looks on a background with the XYZ color 61.3948, 69.9375,

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

61.3948, 69.9375, 104.8712

Protanopia

68.3951, 69.3752, 98.5929

Deuteranopia

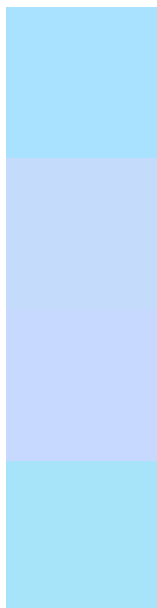
70.5069, 69.2124, 104.2510



Tritanopia

60.1038, 70.2476, 97.5801

Trichromacy



Original Color

61.3948, 69.9375, 104.8712

Protanomaly

65.5091, 69.3638, 101.2026

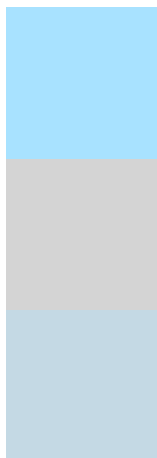
Deuteranomaly

66.6823, 69.1251, 104.4357

Tritanomaly

60.5043, 69.9932, 99.9437

Monochromacy



Original Color

61.3948, 69.9375, 104.8712

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

61.5814, 66.9629, 83.0782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.3948, 69.9375, 104.8712 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(168, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 226, 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(168, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 226, 255) }
```

Border

The CSS property to change the border of an element to XYZ 61.3948, 69.9375, 104.8712 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(168, 226, 255) }
```


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

```
.border{ border-color:rgb(168, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 226,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 61.3948, 69.9375, 104.8712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 226, 255) }
```

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

```
.background{ background-color: rgb(168,  
226, 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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