

Converting Colors

XYZ(62.1284, 71.0502,
102.9751)

Have a look what the booklet for
XYZ(62.1284, 71.0502, 102.9751)
contains.

XYZ(62.2676, 71.2366, 103.3967)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(62.2676, 71.2366,
103.3967)**

Conversions

Conversions Part 1

Format	Color
Hex	ABE4FD
RGB	171, 228, 253
RGB Percent	67%, 89%, 99%
CMY	0.3294, 0.1059, 0.0078
CMYK	0.32, 0.10, 0.00, 0.01
HSL	198°, 95%, 83%
HSV	198°, 32%, 99%
XYZ	62.2676, 71.2366, 103.3967
YIQ	213.8070, -41.9970, -4.3090

Conversions

Conversions Part 2

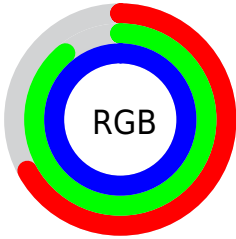
Format	Color
RYB	171, 205, 253
Decimal	11265277
CIELab	87.60, -12.30, -17.96
CIELCh	88, 21.768, 235.606
Yxy	71.2366, 0.2628, 0.3007
Android (android.graphics.Color)	4289455357 (0xFFABE4FD)
YUV	213.8070, 19.3221, -37.5417
Hunter-Lab	84.4018, -16.0143, -13.5522

Details

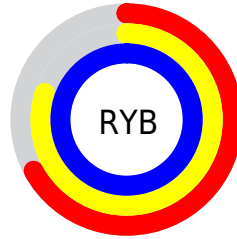
The XYZ color **62.2676, 71.2366, 103.3967** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **67.5997, 63.3035, 47.1858**, and the grayscale version is **63.6830, 66.9995, 72.9625**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **32.1098, 37.5857, 57.7869** is the 20% darker color. If you saturate the color by 10%, you get **55.2010, 64.5153, 102.4730**, and if you desaturate by 10%, it is **70.4879, 78.6966, 104.4046**.

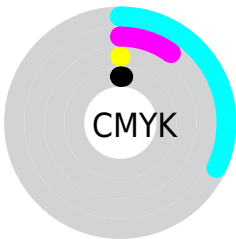
Distribution



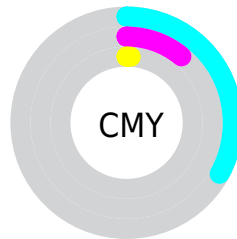
- Red (67%)
- Green (89%)
- Blue (99%)



- Red (67%)
- Yellow (80%)
- Blue (99%)



- Cyan (32%)
- Magenta (10%)
- Yellow (0%)
- Black (1%)



- Cyan (33%)
- Magenta (11%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.2676, 71.2366, 103.3967 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 62.2676, 71.2366, 103.3967 by changing the saturation by 10% instead.

■ 62.2676, 71.2366,
103.3967

■ 62.2676, 71.2366,
103.3967

422.6086,
464.8801, 592.3682

■ 45.5054, 52.5353,
78.5076

■ 107.2000,
120.9706, 167.9097

■ 32.0587, 37.4319,
57.9722

136.1008,
152.7720, 208.3707

■ 21.5621, 25.5421,
41.3717

169.7786,
189.7090, 254.8595

■ 13.6503, 16.4814,
28.2878

208.5986,
232.1658, 307.7945

■ 7.9579, 9.8654,
18.3018

252.9262,
280.5270, 367.5944

■ 4.1196, 5.3098,
10.9952

303.1269,

■ 1.7700, 2.4302,

335.1768, 434.6776

5.9495

359.5659,
396.4997, 509.4627

■ 0.4995, 0.8413,
2.7461

■ 0.0000, 0.0000,
0.9665

■ 62.2676, 71.2366,
103.3967

■ 62.2676, 71.2366,
103.3967

■ 55.2010, 64.5153,
102.4730

■ 70.4879, 78.6966,
104.4046

■ 49.2200, 58.4907,
101.6254

■ 79.9122, 86.9178,
105.4947

■ 44.2591, 53.1289,
100.8519

■ 90.5955, 95.9322,
106.6716

■ 40.2425, 48.3888,
100.1487

94.7299, 99.8719,
107.2141

■ 37.0828, 44.2235,
99.5113

■ 34.6746, 40.5768,
98.9343

■ 33.2304, 38.0930,
98.5310

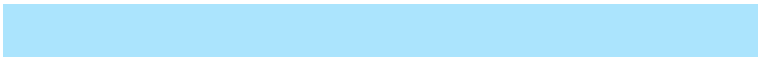
Harmonies

Analogous

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



59.1658, 71.2366, 90.4771



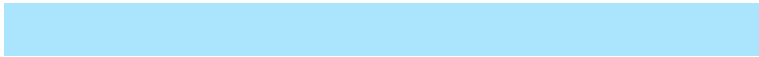
62.2676, 71.2366, 103.3967



66.9525, 71.2366, 109.4137

Triad

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



62.2676, 71.2366, 103.3967



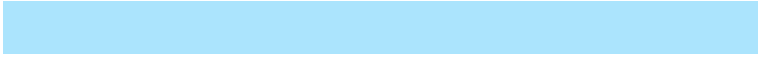
78.0685, 71.2366, 79.7574



63.5184, 71.2366, 54.6994

Complementary

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



62.2676, 71.2366, 103.3967



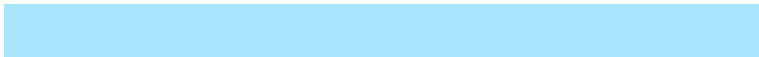
67.5997, 63.3035, 47.1858

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.



68.4697, 71.2366, 52.5866



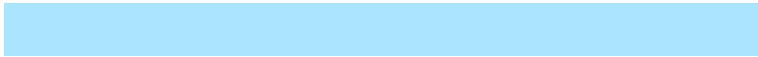
62.2676, 71.2366, 103.3967



77.0357, 71.2366, 65.9430

Square

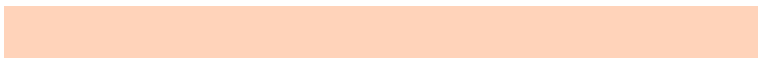
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



62.2676, 71.2366, 103.3967



76.2120, 71.2366, 94.7112



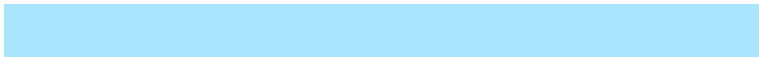
73.4569, 71.2366, 56.4387



59.8619, 71.2366, 62.6233

Rectangle

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



62.2676, 71.2366, 103.3967



70.4071, 71.2366, 108.2081



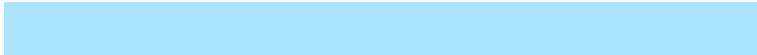
73.4569, 71.2366, 56.4387



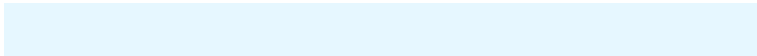
65.0792, 71.2366, 53.3326

Sweetspot

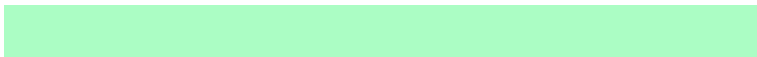
The Sweet Spot groups the original color and five complimentary colors.



62.2698, 71.2394, 103.3983



83.8529, 90.6204, 107.6797



61.8398, 82.8773, 64.7255



17.6336, 19.1285, 23.0127



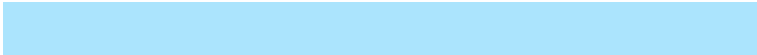
0.0000, 0.0000, 0.0000



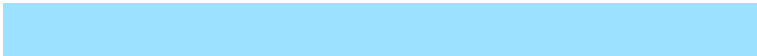
20.3446, 21.4041, 23.3091

Same Dimension

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



62.2698, 71.2394, 103.3983



58.5128, 67.9220, 104.6340



52.3812, 51.4622, 100.1021



18.0601, 19.4918, 23.0604



17.8118, 20.5332, 52.4591



1.8308, 2.1923, 5.1399

Inverse Universe

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



69.0763, 55.6118, 80.4953



66.6004, 50.3051, 77.2069



78.0286, 84.1614, 50.6621



18.5430, 18.2005, 21.4765



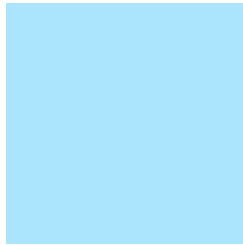
25.7788, 12.8008, 23.2833



2.5587, 1.2659, 2.5236

Previews

White Background



This preview shows how the XYZ color 62.2676, 71.2366, 103.3967 looks on a white background.

Color Contrast Check

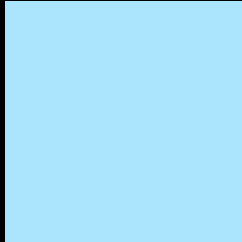
Large Text (above 18pt) WCAG AA × Fail

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 62.2676, 71.2366, 103.3967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

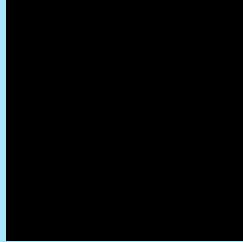
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.2676, 71.2366, 103.3967

Background



This preview shows how black text looks on a background with the XYZ color 62.2676, 71.2366, 103.3967.

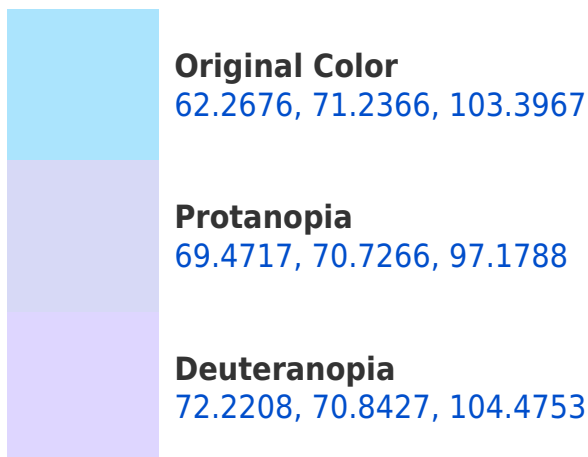


This preview shows how white text looks on a background with the XYZ color 62.2676, 71.2366,

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

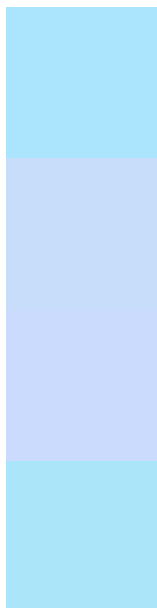




Tritanopia

61.3854, 71.3001, 98.5226

Trichromacy



Original Color

62.2676, 71.2366, 103.3967

Protanomaly

66.5085, 70.6946, 99.7626

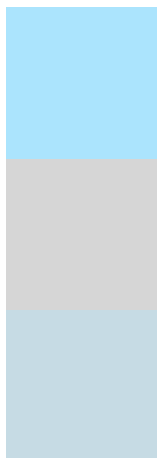
Deuteranomaly

67.8495, 70.5153, 103.8007

Tritanomaly

61.6958, 71.4242, 100.1571

Monochromacy



Original Color

62.2676, 71.2366, 103.3967

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

62.6238, 68.2702, 83.2756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.2676, 71.2366, 103.3967 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, 228, 253)` looks like.

```
.text, #text, p{  
    color:rgb(171, 228, 253)  
}
```

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, 228, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 228, 253) }
```

Border

The CSS property to change the border of an element to XYZ 62.2676, 71.2366, 103.3967 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, 228, 253) }
```


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

```
.border{ border-color:rgb(171, 228, 253) }
```

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

Here you see how a box with a 4 pixel rgb(171, 228, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 228, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 228, 253);  
box-shadow:4px 4px 4px 4px rgb(171, 228,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 62.2676, 71.2366, 103.3967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 228, 253) }
```

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

```
.background{ background-color: rgb(171,  
228, 253) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor