

Converting Colors

XYZ(64.5047, 71.2964,
102.8344)

Have a look what the booklet for
XYZ(64.5047, 71.2964, 102.8344)
contains.

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Color

**XYZ(64.2631, 71.0690,
102.4261)**

Conversions

Conversions Part 1

Format	Color
Hex	B8E1FC
RGB	184, 225, 252
RGB Percent	72%, 88%, 99%
CMY	0.2784, 0.1176, 0.0118
CMYK	0.27, 0.11, 0.00, 0.01
HSL	204°, 92%, 85%
HSV	204°, 27%, 99%
XYZ	64.2631, 71.0690, 102.4261
YIQ	215.8190, -33.1030, -0.2950

Conversions

Conversions Part 2

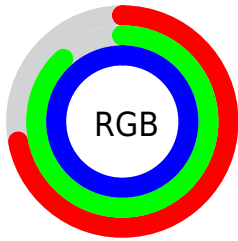
Format	Color
RYB	184, 210, 252
Decimal	12116476
CIELab	87.52, -7.36, -17.49
CIELCh	88, 18.970, 247.185
Yxy	71.0690, 0.2703, 0.2989
Android (android.graphics.Color)	4290306556 (0xFFB8E1FC)
YUV	215.8190, 17.8372, -27.9053
Hunter-Lab	84.3024, -11.4601, -13.0247

Details

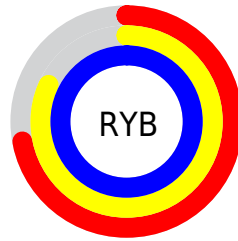
The XYZ color **64.2631, 71.0690, 102.4261** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **72.0920, 70.7455, 55.2049**, and the grayscale version is **65.0474, 68.4350, 74.5257**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **33.2783, 37.3567, 57.0864** is the 20% darker color. If you saturate the color by 10%, you get **56.1302, 62.9796, 101.2945**, and if you desaturate by 10%, it is **73.6341, 80.0355, 103.6641**.

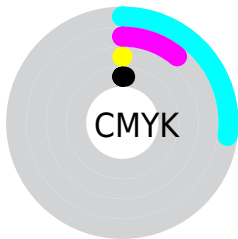
Distribution



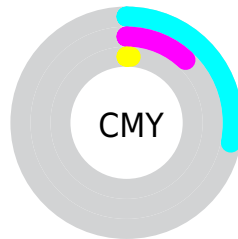
- Red (72%)
- Green (88%)
- Blue (99%)



- Red (72%)
- Yellow (82%)
- Blue (99%)



- Cyan (27%)
- Magenta (11%)
- Yellow (0%)
- Black (1%)



- Cyan (28%)
- Magenta (12%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2631, 71.0690, 102.4261 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 64.2631, 71.0690, 102.4261 by changing the saturation by 10% instead.

■ 64.2631, 71.0690,
102.4261

■ 64.2631, 71.0690,
102.4261

429.7263,
464.2946, 589.2563

■ 47.1263, 52.3985,
77.7001

■ 110.0614,
120.7320, 166.5681

■ 33.3439, 37.3228,
57.3126

139.4535,
152.4932, 206.8211

■ 22.5505, 25.4575,
40.8453

173.6615,
189.3869, 253.0870

■ 14.3808, 16.4183,
27.8794

213.0507,
231.7973, 305.7841

■ 8.4695, 9.8206,
17.9965

257.9864,
280.1089, 365.3310

■ 4.4511, 5.2802,
10.7781

308.8340,

■ 1.9604, 2.4126,

334.7060, 432.1463

5.8055

365.9589,
395.9731, 506.6486

■ 0.6116, 0.8323,
2.6603

■ 0.0000, 0.0000,
0.9234

■ 64.2631, 71.0690,
102.4261

■ 64.2631, 71.0690,
102.4261

■ 56.1302, 62.9796,
101.2945

■ 73.6341, 80.0355,
103.6641

■ 49.1691, 55.7238,
100.2609

■ 84.2922, 89.9029,
105.0070

■ 43.3169, 49.2669,
99.3231

■ 94.5709, 99.8084,
106.3772

■ 38.5016, 43.5676,
98.4768

■ 34.6417, 38.5794,
97.7174

■ 31.6421, 34.2489,
97.0396

■ 29.3820, 30.5093,
96.4369

■ 28.7909, 29.4684,
96.2671

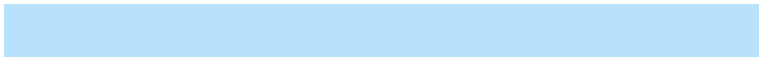
Harmonies

Analogous

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



60.9151, 71.0690, 93.2730



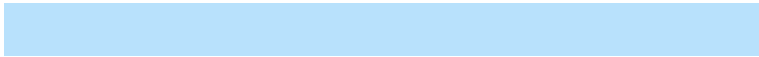
64.2631, 71.0690, 102.4261



68.6323, 71.0690, 104.5340

Triad

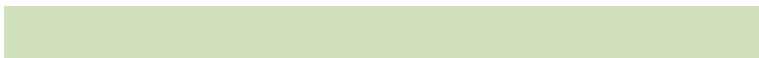
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.2631, 71.0690, 102.4261



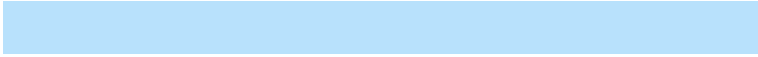
76.4622, 71.0690, 74.3368



62.4746, 71.0690, 59.3425

Complementary

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



64.2631, 71.0690, 102.4261



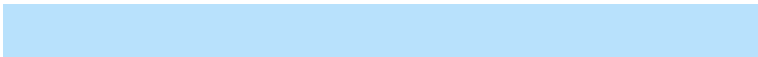
72.0920, 70.7455, 55.2049

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.



66.4771, 71.0690, 55.3929



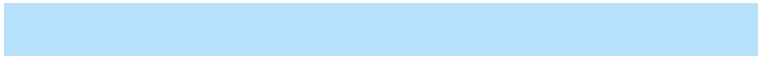
64.2631, 71.0690, 102.4261



74.6477, 71.0690, 63.4070

Square

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



64.2631, 71.0690, 102.4261



75.8055, 71.0690, 87.3491



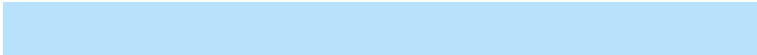
70.9449, 71.0690, 56.7943



59.9148, 71.0690, 68.2036

Rectangle

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



64.2631, 71.0690, 102.4261



71.5619, 71.0690, 101.4705



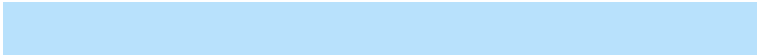
70.9449, 71.0690, 56.7943



63.6889, 71.0690, 57.4437

Sweetspot

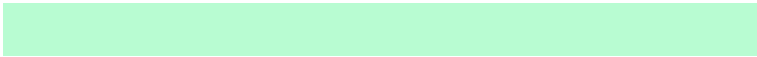
The Sweet Spot groups the original color and five complimentary colors.



64.2653, 71.0718, 102.4277



85.4094, 91.2749, 107.7240



66.2204, 84.4691, 73.8321



17.9143, 19.2001, 23.0118



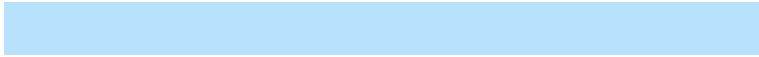
0.0000, 0.0000, 0.0000



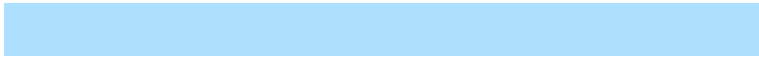
20.3446, 21.4041, 23.3091

Same Dimension

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



64.2653, 71.0718, 102.4277



61.6537, 68.7130, 104.6212



56.1747, 54.8906, 99.7309



17.1538, 18.3844, 22.0297



15.1453, 15.6462, 50.1953



1.5062, 1.6561, 4.6835

Inverse Universe

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



70.8778, 60.4146, 79.1627



69.5261, 56.6071, 76.7931



81.1687, 88.8990, 58.2305



17.6842, 17.4010, 20.1925



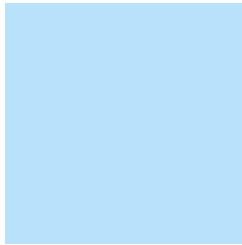
23.9367, 11.9904, 16.9069



2.2692, 1.1314, 1.8410

Previews

White Background



This preview shows how the XYZ color 64.2631, 71.0690, 102.4261 looks on a white background.

Color Contrast Check

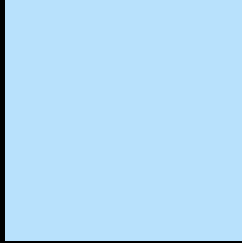
Large Text (above 18pt) WCAG AA × Fail

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 64.2631, 71.0690, 102.4261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

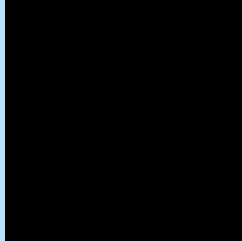
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

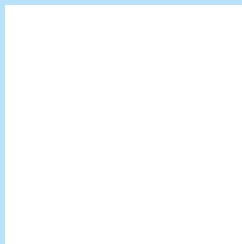
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.2631, 71.0690, 102.4261

Background



This preview shows how black text looks on a background with the XYZ color 64.2631, 71.0690, 102.4261.



This preview shows how white text looks on a background with the XYZ color 64.2631, 71.0690,

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

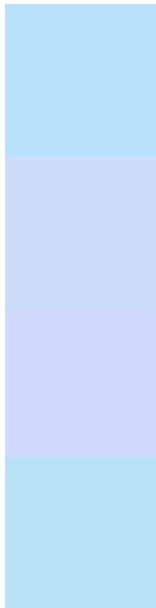




Tritanopia

62.8169, 70.8694, 95.9563

Trichromacy



Original Color

64.2631, 71.0690, 102.4261

Protanomaly

67.3207, 70.7225, 99.7252

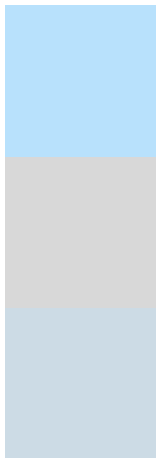
Deuteranomaly

69.0955, 70.7900, 102.9506

Tritanomaly

63.5133, 71.1754, 98.3864

Monochromacy



Original Color

64.2631, 71.0690, 102.4261

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.3762, 69.1575, 84.0845

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2631, 71.0690, 102.4261 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(184, 225, 252)` looks like.

```
.text, #text, p{  
    color:rgb(184, 225, 252)  
}
```

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(184, 225, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 225, 252) }
```

Border

The CSS property to change the border of an element to XYZ 64.2631, 71.0690, 102.4261 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(184, 225, 252) }
```


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

```
.border{ border-color:rgb(184, 225, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 225, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 225, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 225, 252);  
box-shadow:4px 4px 4px 4px rgb(184, 225,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2631, 71.0690, 102.4261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 225, 252) }
```

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

```
.background{ background-color: rgb(184,  
225, 252) }
```

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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