

Converting Colors

XYZ(63.4118, 70.9061,
102.4409)

Have a look what the booklet for
XYZ(63.4118, 70.9061, 102.4409)
contains.

XYZ(63.5894, 71.1243, 102.4723)	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(63.5894, 71.1243,
102.4723)**

Conversions

Conversions Part 1

Format	Color
Hex	B4E2FC
RGB	180, 226, 252
RGB Percent	71%, 89%, 99%
CMY	0.2941, 0.1137, 0.0118
CMYK	0.29, 0.10, 0.00, 0.01
HSL	202°, 92%, 85%
HSV	202°, 29%, 99%
XYZ	63.5894, 71.1243, 102.4723
YIQ	215.2100, -35.7620, -1.6660

Conversions

Conversions Part 2

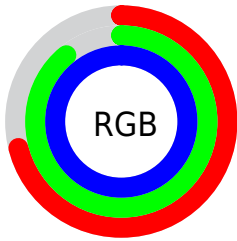
Format	Color
R _Y B	180, 208, 252
Decimal	11854588
CIE Lab	87.55, -9.01, -17.47
CIE LCh	88, 19.656, 242.716
Yxy	71.1243, 0.2681, 0.2999
Android (android.graphics.Color)	4290044668 (0xFFB4E2FC)
YUV	215.2100, 18.1375, -30.8792
Hunter-Lab	84.3352, -12.9963, -13.0062

Details

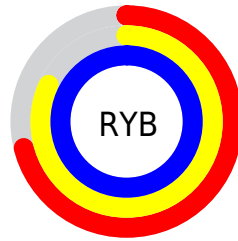
The XYZ color **63.5894, 71.1243, 102.4723** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.4553, 68.1338, 52.6194**, and the grayscale version is **64.6336, 67.9996, 74.0516**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **32.8707, 37.4259, 57.1212** is the 20% darker color. If you saturate the color by 10%, you get **55.8391, 63.5543, 101.4208**, and if you desaturate by 10%, it is **72.5419, 79.5124, 103.6207**.

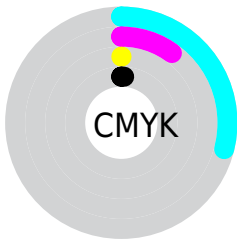
Distribution



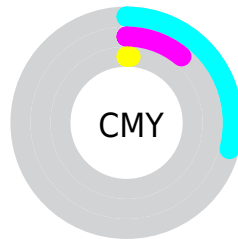
- Red (71%)
- Green (89%)
- Blue (99%)



- Red (71%)
- Yellow (82%)
- Blue (99%)



- Cyan (29%)
- Magenta (10%)
- Yellow (0%)
- Black (1%)



- Cyan (29%)
- Magenta (11%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.5894, 71.1243, 102.4723 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 63.5894, 71.1243, 102.4723 by changing the saturation by 10% instead.

■ 63.5894, 71.1243,
102.4723

■ 63.5894, 71.1243,
102.4723

427.3311,
464.4878, 589.4046

■ 46.5786, 52.4436,
77.7385

■ 109.0964,
120.8107, 166.6320

■ 32.9092, 37.3588,
57.3440

138.3234,
152.5852, 206.8950

■ 22.2158, 25.4854,
40.8703

172.3532,
189.4932, 253.1714

■ 14.1331, 16.4391,
27.8988

211.5511,
231.9189, 305.8798

■ 8.2956, 9.8354,
18.0110

256.2825,
280.2469, 365.4388

■ 4.3381, 5.2900,
10.7884

306.9127,

■ 1.8951, 2.4184,

334.8614, 432.2669

5.8123

363.8071,
396.1469, 506.7827

■ 0.5740, 0.8353,
2.6644

■ 0.0000, 0.0000,
0.9254

■ 63.5894, 71.1243,
102.4723

■ 63.5894, 71.1243,
102.4723

■ 55.8391, 63.5543,
101.4208

■ 72.5419, 79.5124,
103.6207

■ 49.2246, 56.7600,
100.4580

■ 82.7454, 88.7417,
104.8644

■ 43.6827, 50.7076,
99.5819

■ 94.0316, 98.7298,
106.1974

■ 39.1408, 45.3564,
98.7884

■ 94.5709, 99.8084,
106.3772

■ 35.5164, 40.6608,
98.0731

■ 32.7123, 36.5673,
97.4307

■ 30.5910, 33.0016,
96.8543

■ 30.3174, 32.5213,
96.7760

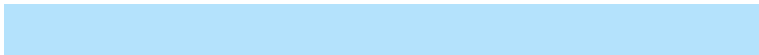
Harmonies

Analogous

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



60.3620, 71.1243, 92.1059



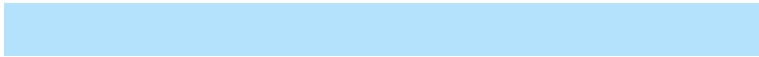
63.5894, 71.1243, 102.4723



68.0256, 71.1243, 105.9053

Triad

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



63.5894, 71.1243, 102.4723



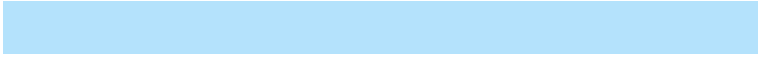
76.9211, 71.1243, 76.2366



62.8883, 71.1243, 57.8532

Complementary

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



63.5894, 71.1243, 102.4723



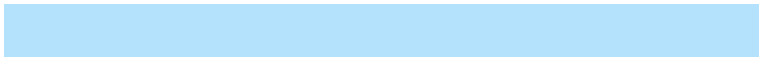
70.4553, 68.1338, 52.6194

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.



67.1792, 71.1243, 54.5990



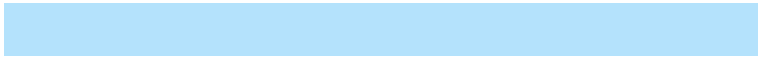
63.5894, 71.1243, 102.4723



75.3979, 71.1243, 64.4239

Square

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



63.5894, 71.1243, 102.4723



75.8540, 71.1243, 89.7695



71.7789, 71.1243, 56.8611



59.9704, 71.1243, 66.2986

Rectangle

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



63.5894, 71.1243, 102.4723



71.1094, 71.1243, 103.5144



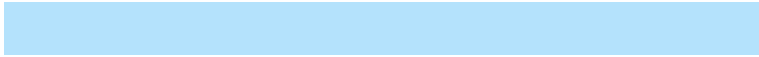
71.7789, 71.1243, 56.8611



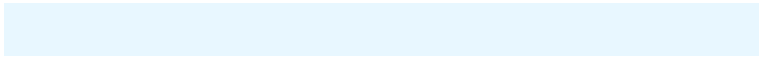
64.2109, 71.1243, 56.1626

Sweetspot

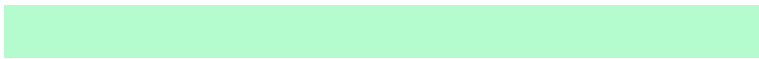
The Sweet Spot groups the original color and five complimentary colors.



63.5916, 71.1271, 102.4739



84.5181, 90.7305, 107.6659



64.6779, 83.7429, 70.6410



17.7479, 19.1140, 23.0039



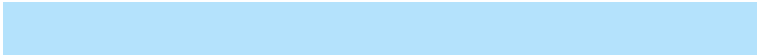
0.0000, 0.0000, 0.0000



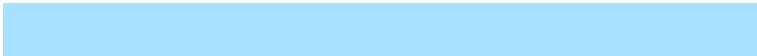
20.3446, 21.4041, 23.3091

Same Dimension

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



63.5916, 71.1271, 102.4739



60.8360, 68.7250, 104.6666



54.9819, 53.9077, 99.6040



17.2079, 18.4927, 22.0478



15.9373, 17.2302, 50.4593



1.5766, 1.7968, 4.7069

Inverse Universe

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



70.1954, 58.8307, 79.6104



68.7112, 54.7414, 77.2487



79.8990, 87.0212, 55.7673



17.7115, 17.4120, 20.3364



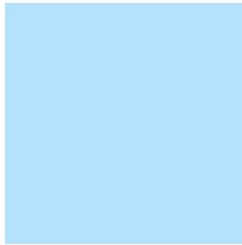
24.3365, 12.1503, 19.0120



2.3047, 1.1456, 2.0280

Previews

White Background



This preview shows how the XYZ color 63.5894, 71.1243, 102.4723 looks on a white background.

Color Contrast Check

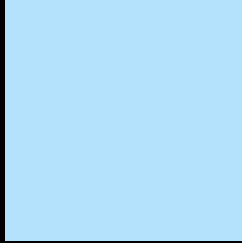
Large Text (above 18pt) WCAG AA × Fail

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 63.5894, 71.1243, 102.4723 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 63.5894, 71.1243, 102.4723

Background



This preview shows how black text looks on a background with the XYZ color 63.5894, 71.1243, 102.4723.



This preview shows how white text looks on a background with the XYZ color 63.5894, 71.1243,

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

63.5894, 71.1243, 102.4723

Protanopia

69.4717, 70.7266, 97.1788

Deuteranopia

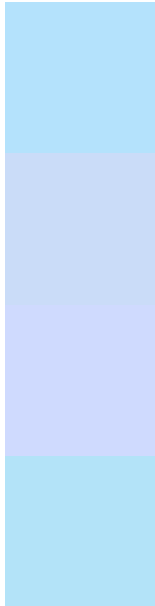
72.5280, 71.0011, 104.4897



Tritanopia

62.5409, 71.1144, 96.8164

Trichromacy



Original Color

63.5894, 71.1243, 102.4723

Protanomaly

66.8936, 70.5203, 98.8930

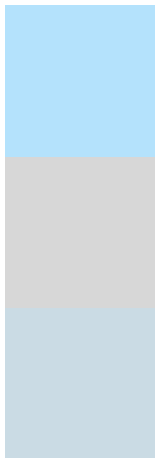
Deuteranomaly

68.6929, 70.5640, 103.7656

Tritanomaly

63.0028, 71.2992, 99.2485

Monochromacy



Original Color

63.5894, 71.1243, 102.4723

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

63.6922, 68.8210, 83.3256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.5894, 71.1243, 102.4723 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(180, 226, 252)` looks like.

```
.text, #text, p{  
    color:rgb(180, 226, 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(180, 226, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 226, 252) }
```

Border

The CSS property to change the border of an element to XYZ 63.5894, 71.1243, 102.4723 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(180, 226, 252) }
```


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

```
.border{ border-color:rgb(180, 226, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 226, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 226, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 226, 252);  
box-shadow:4px 4px 4px 4px rgb(180, 226,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 63.5894, 71.1243, 102.4723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 226, 252) }
```

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

```
.background{ background-color: rgb(180,  
226, 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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