

Converting Colors

XYZ(63.7392, 69.3171,
101.8652)

Have a look what the booklet for
XYZ(63.7392, 69.3171, 101.8652)
contains.

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Color

**XYZ(63.6768, 69.1803,
102.0925)**

Conversions

Conversions Part 1

Format	Color
Hex	BADDFC
RGB	186, 221, 252
RGB Percent	73%, 87%, 99%
CMY	0.2706, 0.1333, 0.0118
CMYK	0.26, 0.12, 0.00, 0.01
HSL	208°, 92%, 86%
HSV	208°, 26%, 99%
XYZ	63.6768, 69.1803, 102.0925
YIQ	214.0690, -30.8110, 2.2210

Conversions

Conversions Part 2

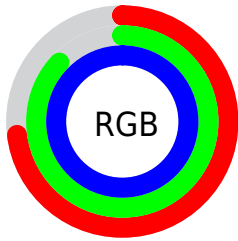
Format	Color
RYB	186, 209, 252
Decimal	12246524
CIELab	86.59, -4.71, -18.87
CIELCh	87, 19.446, 255.995
Yxy	69.1803, 0.2710, 0.2944
Android (android.graphics.Color)	4290436604 (0xFFBADDFC)
YUV	214.0690, 18.7000, -24.6165
Hunter-Lab	83.1747, -8.8999, -14.5530

Details

The XYZ color **63.6768, 69.1803, 102.0925** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **73.8214, 73.8666, 56.8228**, and the grayscale version is **63.8576, 67.1832, 73.1625**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **32.8466, 36.0379, 56.8546** is the 20% darker color. If you saturate the color by 10%, you get **55.0711, 60.2688, 100.8271**, and if you desaturate by 10%, it is **73.5867, 79.0945, 103.4850**.

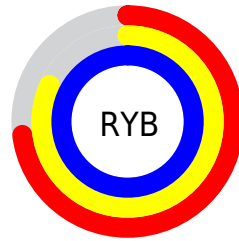
Distribution



Red (73%)

Green (87%)

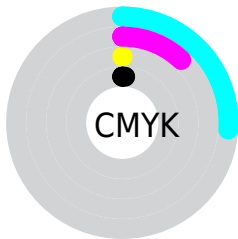
Blue (99%)



Red (73%)

Yellow (82%)

Blue (99%)

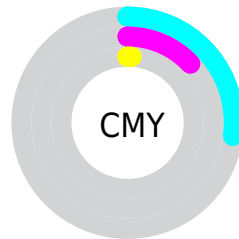


Cyan (26%)

Magenta (12%)

Yellow (0%)

Black (1%)



Cyan (27%)

Magenta (13%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.6768, 69.1803, 102.0925 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 63.6768, 69.1803, 102.0925 by changing the saturation by 10% instead.

■ 63.6768, 69.1803,
102.0925

■ 63.6768, 69.1803,
102.0925

427.6423,
457.6666, 588.1847

■ 46.6497, 50.8586,
77.4226

■ 109.2217,
118.0391, 166.1067

■ 32.9656, 36.0961,
57.0862

138.4701,
149.3449, 206.2881

■ 22.2592, 24.5084,
40.6646

172.5231,
185.7475, 252.4771

■ 14.1651, 15.7112,
27.7394

211.7458,
227.6313, 305.0922

■ 8.3181, 9.3200,
17.8920

256.5038,
275.3808, 364.5519

■ 4.3527, 4.9505,
10.7038

307.1623,

■ 1.9035, 2.2182,

329.3802, 431.2749

5.7564

364.0867,
390.0140, 505.6796

■ 0.5789, 0.7299,
2.6311

■ 0.0000, 0.0000,
0.9085

■ 63.6768, 69.1803,
102.0925

■ 63.6768, 69.1803,
102.0925

■ 55.0711, 60.2688,
100.8271

■ 73.5867, 79.0945,
103.4850

■ 47.7019, 52.3135,
99.6800

■ 84.8513, 90.0390,
105.0038

■ 41.5048, 45.2758,
98.6482

■ 94.5709, 99.8084,
106.3772

■ 36.4065, 39.1109,
97.7270

■ 32.3244, 33.7688,
96.9110

■ 29.1623, 29.1921,
96.1943

■ 26.8019, 25.3120,
95.5697

■ 26.0472, 23.9809,
95.3526

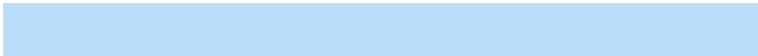
Harmonies

Analogous

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



59.9097, 69.1803, 94.6447



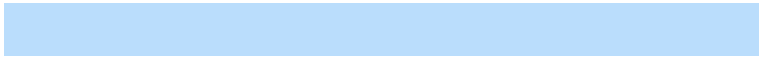
63.6768, 69.1803, 102.0925



68.1731, 69.1803, 101.8193

Triad

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



63.6768, 69.1803, 102.0925



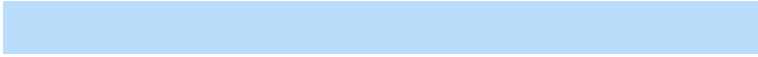
74.4498, 69.1803, 68.6853



59.7098, 69.1803, 59.3513

Complementary

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



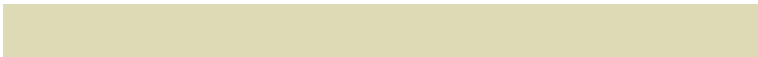
63.6768, 69.1803, 102.0925



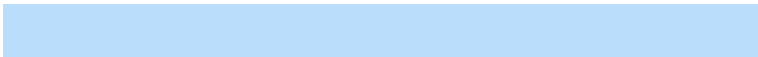
73.8214, 73.8666, 56.8228

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.



63.3924, 69.1803, 53.8794



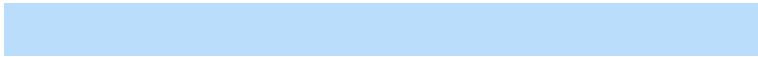
63.6768, 69.1803, 102.0925



71.9661, 69.1803, 58.8324

Square

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



63.6768, 69.1803, 102.0925



74.5346, 69.1803, 81.4991



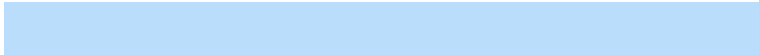
67.8755, 69.1803, 53.7010



57.6913, 69.1803, 69.4720

Rectangle

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



63.6768, 69.1803, 102.0925



70.9848, 69.1803, 97.2659



67.8755, 69.1803, 53.7010



60.7864, 69.1803, 56.9608

Sweetspot

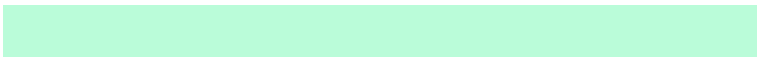
The Sweet Spot groups the original color and five complimentary colors.



63.6789, 69.1831, 102.0941



84.9583, 90.3727, 107.5736



67.5599, 85.0606, 78.3684



17.8006, 18.9728, 22.9739



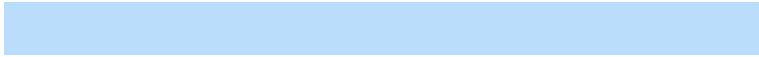
0.0000, 0.0000, 0.0000



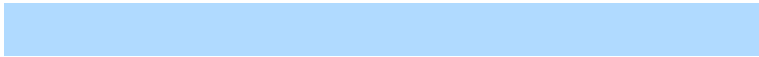
20.3446, 21.4041, 23.3091

Same Dimension

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



63.6789, 69.1831, 102.0941



60.9817, 66.5214, 104.2336



55.8479, 53.5210, 99.4837



17.0452, 18.1671, 21.9935



13.7171, 12.7898, 49.7193



1.3766, 1.3969, 4.6402

Inverse Universe

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



70.7566, 61.0354, 76.4615



69.3938, 57.3464, 73.6543



83.1326, 92.4889, 59.9265



17.6293, 17.3791, 19.9038



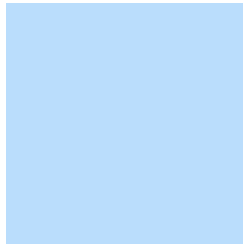
23.2158, 11.7020, 13.1107



2.2038, 1.1052, 1.4965

Previews

White Background



This preview shows how the XYZ color 63.6768, 69.1803, 102.0925 looks on a white background.

Color Contrast Check

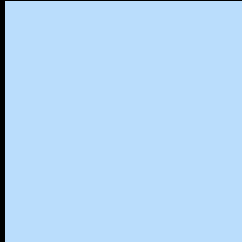
Large Text (above 18pt) WCAG AA × Fail

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 63.6768, 69.1803, 102.0925 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

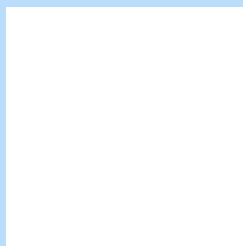
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.6768, 69.1803, 102.0925

Background



This preview shows how black text looks on a background with the XYZ color 63.6768, 69.1803, 102.0925.



This preview shows how white text looks on a background with the XYZ color 63.6768, 69.1803,

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

63.6768, 69.1803, 102.0925

Protanopia

68.1077, 69.2271, 98.5794

Deuteranopia

70.3971, 68.8044, 103.3362



Tritanopia

62.0320, 69.3166, 93.3291

Trichromacy



Original Color

63.6768, 69.1803, 102.0925

Protanomaly

66.2689, 69.0218, 99.4523

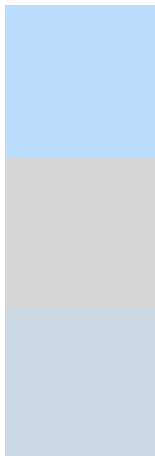
Deuteranomaly

67.7622, 68.9581, 102.6673

Tritanomaly

62.6103, 69.1494, 96.4335

Monochromacy



Original Color

63.6768, 69.1803, 102.0925

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.7183, 68.0645, 83.1782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6768, 69.1803, 102.0925 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(186, 221, 252)` looks like.

```
.text, #text, p{  
    color:rgb(186, 221, 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(186, 221, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 221, 252) }
```

Border

The CSS property to change the border of an element to XYZ 63.6768, 69.1803, 102.0925 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(186, 221, 252) }
```


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

```
.border{ border-color:rgb(186, 221, 252) }
```

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

Here you see how a box with a 4 pixel rgb(186, 221, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 221, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 221, 252);  
box-shadow:4px 4px 4px 4px rgb(186, 221,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6768, 69.1803, 102.0925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 221, 252) }
```

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

```
.background{ background-color: rgb(186,  
221, 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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