

Converting Colors

XYZ(63.5889, 68.0850,
104.3980)

Have a look what the booklet for
XYZ(63.5889, 68.0850, 104.3980)
contains.

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Color

**XYZ(63.3711, 67.8019,
104.3548)**

Conversions

Conversions Part 1

Format	Color
Hex	BADAFF
RGB	186, 218, 255
RGB Percent	73%, 85%, 100%
CMY	0.2706, 0.1451, 0.0000
CMYK	0.27, 0.15, 0.00, 0.00
HSL	212°, 100%, 86%
HSV	212°, 27%, 100%
XYZ	63.3711, 67.8019, 104.3548
YIQ	212.6500, -30.9490, 4.7230

Conversions

Conversions Part 2

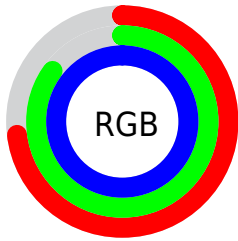
Format	Color
RYB	186, 208, 255
Decimal	12245759
CIELab	85.91, -2.45, -21.49
CIELCh	86, 21.625, 263.493
Yxy	67.8019, 0.2691, 0.2879
Android (android.graphics.Color)	4290435839 (0xFFBADAFF)
YUV	212.6500, 20.8786, -23.3720
Hunter-Lab	82.3419, -6.7231, -17.5010

Details

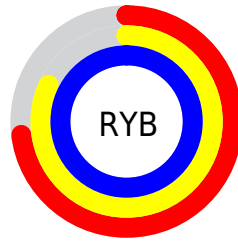
The XYZ color **63.3711, 67.8019, 104.3548** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **76.4907, 77.5801, 57.3992**, and the grayscale version is **62.8936, 66.1690, 72.0580**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **32.6503, 35.0969, 58.4796** is the 20% darker color. If you saturate the color by 10%, you get **54.3197, 58.0889, 102.9571**, and if you desaturate by 10%, it is **73.8242, 78.6750, 105.9026**.

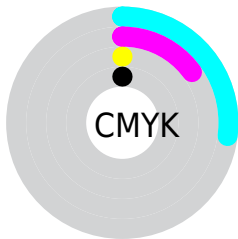
Distribution



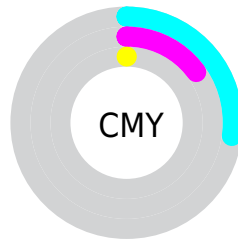
- Red (73%)
- Green (85%)
- Blue (100%)



- Red (73%)
- Yellow (82%)
- Blue (100%)



- Cyan (27%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.3711, 67.8019, 104.3548 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 63.3711, 67.8019, 104.3548 by changing the saturation by 10% instead.

■ 63.3711, 67.8019,
104.3548

■ 63.3711, 67.8019,
104.3548

426.5533,
452.7938, 595.4317

■ 46.4013, 49.7366,
79.3053

■ 108.7835,
116.0687, 169.2328

■ 32.7685, 35.2041,
58.6240

137.9568,
147.0390, 209.8983

■ 22.1076, 23.8202,
41.8925

171.9287,
183.0797, 256.6063

■ 14.0530, 15.2003,
28.6922

211.0644,
224.5753, 309.7753

■ 8.2395, 8.9601,
18.6045

255.7294,
271.9101, 369.8238

■ 4.3017, 4.7151,
11.2110

306.2890,

■ 1.8742, 2.0811,

325.4685, 437.1703

6.0930

363.1085,
385.6349, 512.2334

■ 0.5618, 0.6540,
2.8320

■ 0.0000, 0.0000,
1.0095

■ 63.3711, 67.8019,
104.3548

■ 63.3711, 67.8019,
104.3548

■ 54.3197, 58.0889,
102.9571

■ 73.8242, 78.6750,
105.9026

■ 46.5986, 49.4839,
101.7031

■ 85.7346, 90.7420,
107.6040

■ 40.1380, 41.9417,
100.5878

95.0500, 100.0000,
108.9000

■ 34.8592, 35.4104,
99.6054

■ 30.6732, 29.8324,
98.7493

■ 27.4767, 25.1422,
98.0125

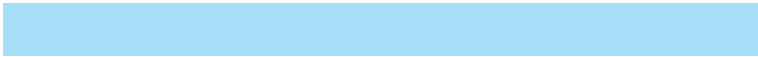
■ 25.1395, 21.2596,
97.3863

■ 24.5603, 20.2406,
97.2201

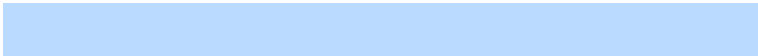
Harmonies

Analogous

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



58.9455, 67.8019, 97.9740



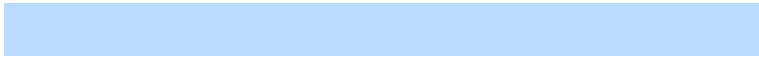
63.3711, 67.8019, 104.3548



68.3129, 67.8019, 101.7519

Triad

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



63.3711, 67.8019, 104.3548



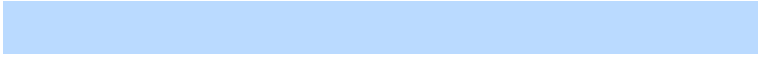
73.5727, 67.8019, 63.4827



57.0920, 67.8019, 58.7665

Complementary

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



63.3711, 67.8019, 104.3548



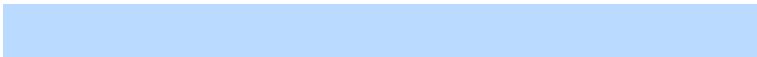
76.4907, 77.5801, 57.3992

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.



60.7234, 67.8019, 51.5412



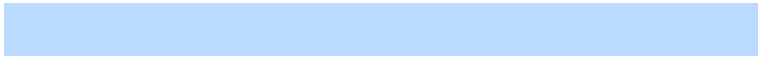
63.3711, 67.8019, 104.3548



70.2735, 67.8019, 54.0106

Square

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



63.3711, 67.8019, 104.3548



74.3704, 67.8019, 76.9570



65.5283, 67.8019, 49.9185



55.4420, 67.8019, 70.7787

Rectangle

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



63.3711, 67.8019, 104.3548



71.2191, 67.8019, 95.4180



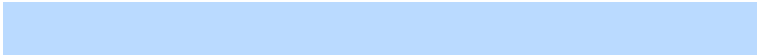
65.5283, 67.8019, 49.9185



58.1122, 67.8019, 55.7629

Sweetspot

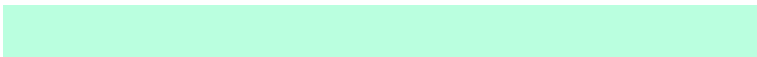
The Sweet Spot groups the original color and five complimentary colors.



63.3730, 67.8045, 104.3552



84.5482, 89.5526, 107.4370



69.3030, 87.2765, 82.8652



17.6974, 18.7664, 22.9395



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.



63.3730, 67.8045, 104.3552



58.7277, 62.8610, 103.6458



56.4234, 53.0691, 101.8773



17.6974, 18.7664, 22.9395



12.9792, 10.8680, 50.8482



1.3717, 1.2741, 4.9869

Inverse Universe

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



71.4550, 61.4414, 74.4259



68.0492, 56.0163, 69.0158



85.0222, 95.8917, 60.4840



18.3599, 18.1273, 20.5124



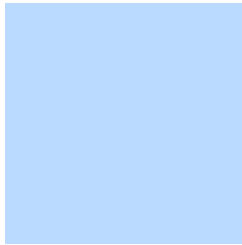
23.3395, 11.8251, 10.4382



2.3270, 1.1732, 1.3033

Previews

White Background



This preview shows how the XYZ color 63.3711, 67.8019, 104.3548 looks on a white background.

Color Contrast Check

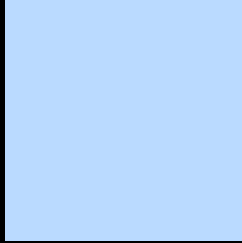
Large Text (above 18pt) WCAG AA × Fail

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 63.3711, 67.8019, 104.3548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

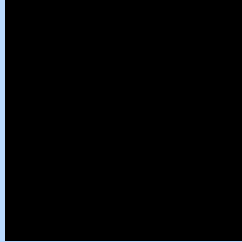
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

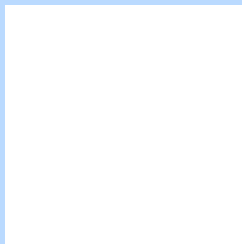
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.3711, 67.8019, 104.3548

Background



This preview shows how black text looks on a background with the XYZ color 63.3711, 67.8019, 104.3548.



This preview shows how white text looks on a background with the XYZ color 63.3711, 67.8019,

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

63.3711, 67.8019, 104.3548

Protanopia

66.9390, 67.8189, 100.8291

Deuteranopia

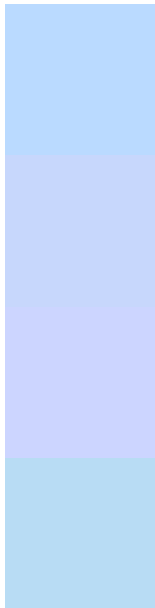
68.8281, 67.6093, 104.0300



Tritanopia

60.8175, 67.9532, 90.7998

Trichromacy



Original Color

63.3711, 67.8019, 104.3548

Protanomaly

65.4243, 67.7713, 101.7284

Deuteranomaly

66.7461, 67.6459, 104.1468

Tritanomaly

61.6895, 67.9084, 95.4442

Monochromacy



Original Color

63.3711, 67.8019, 104.3548

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

62.9326, 66.8988, 82.9946

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.3711, 67.8019, 104.3548 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, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 218, 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(186, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 218, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.3711, 67.8019, 104.3548 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, 218, 255) }
```


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

```
.border{ border-color:rgb(186, 218, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 218,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.3711, 67.8019, 104.3548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 218, 255) }
```

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

```
.background{ background-color: rgb(186,  
218, 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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