

Converting Colors

XYZ(68.3086, 70.2809,
130.5714)

Have a look what the booklet for
XYZ(68.3086, 70.2809, 130.5714)
contains.

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Color

**XYZ(63.1487, 68.0734,
104.4189)**

Conversions

Conversions Part 1

Format	Color
Hex	B8DBFF
RGB	184, 219, 255
RGB Percent	72%, 86%, 100%
CMY	0.2784, 0.1412, 0.0000
CMYK	0.28, 0.14, 0.00, 0.00
HSL	210°, 100%, 86%
HSV	210°, 28%, 100%
XYZ	63.1487, 68.0734, 104.4189
YIQ	212.6390, -32.4160, 3.7760

Conversions

Conversions Part 2

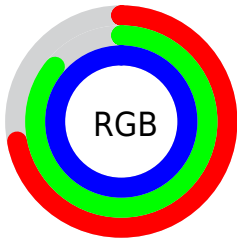
Format	Color
RYB	184, 207, 255
Decimal	12114943
CIELab	86.04, -3.55, -21.29
CIELCh	86, 21.586, 260.540
Yxy	68.0734, 0.2680, 0.2889
Android (android.graphics.Color)	4290305023 (0xFFB8DBFF)
YUV	212.6390, 20.8840, -25.1164
Hunter-Lab	82.5066, -7.7667, -17.2818

Details

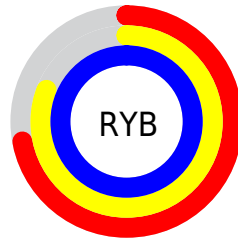
The XYZ color **63.1487, 68.0734, 104.4189** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **75.4851, 75.9068, 56.0222**, and the grayscale version is **62.8870, 66.1620, 72.0504**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **32.5218, 35.2953, 58.5247** is the 20% darker color. If you saturate the color by 10%, you get **54.3393, 58.7193, 103.0777**, and if you desaturate by 10%, it is **73.3249, 78.5243, 105.8998**.

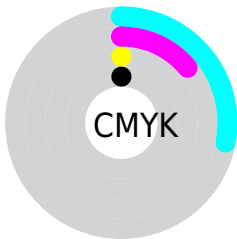
Distribution



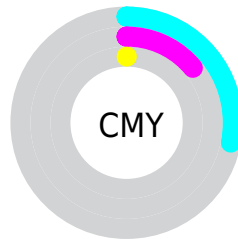
- Red (72%)
- Green (86%)
- Blue (100%)



- Red (72%)
- Yellow (81%)
- Blue (100%)



- Cyan (28%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.1487, 68.0734, 104.4189 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 63.1487, 68.0734, 104.4189 by changing the saturation by 10% instead.

■ 63.1487, 68.0734,
104.4189

■ 63.1487, 68.0734,
104.4189

425.7600,
453.7560, 595.6363

■ 46.2206, 49.9575,
79.3587

■ 108.4646,
116.4571, 169.3213

■ 32.6253, 35.3796,
58.6677

137.5832,
147.4937, 210.0005

■ 21.9974, 23.9554,
41.9274

171.4959,
183.6060, 256.7231

■ 13.9716, 15.3006,
28.7193

210.5682,
225.1783, 309.9077

■ 8.1825, 9.0306,
18.6248

255.1654,
272.5950, 369.9728

■ 4.2647, 4.7611,
11.2255

305.6529,

■ 1.8530, 2.1078,

326.2407, 437.3369

6.1026

362.3960,
386.4995, 512.4185

■ 0.5493, 0.6690,
2.8378

■ 0.0000, 0.0000,
1.0124

■ 63.1487, 68.0734,
104.4189

■ 63.1487, 68.0734,
104.4189

■ 54.3393, 58.7193,
103.0777

■ 73.3249, 78.5243,
105.8998

■ 46.8259, 50.4118,
101.8702

■ 84.9226, 90.1038,
107.5236

■ 40.5395, 43.1078,
100.7917

95.0500, 100.0000,
108.9000

■ 35.4018, 36.7577,
99.8368

■ 31.3244, 31.3059,
98.9994

■ 28.2039, 26.6889,
98.2727

■ 25.9039, 22.8256,
97.6482

■ 25.4743, 22.0685,
97.5248

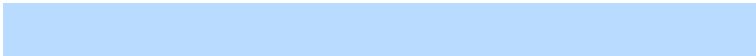
Harmonies

Analogous

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



58.8345, 68.0734, 97.2418



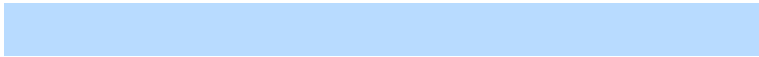
63.1487, 68.0734, 104.4189



68.1019, 68.0734, 102.7149

Triad

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



63.1487, 68.0734, 104.4189



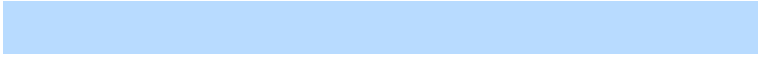
74.0382, 68.0734, 64.9544



57.6222, 68.0734, 58.0988

Complementary

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



63.1487, 68.0734, 104.4189



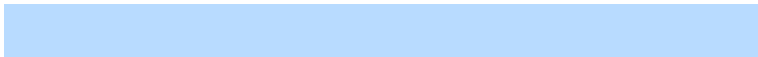
75.4851, 75.9068, 56.0222

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.



61.4166, 68.0734, 51.3960



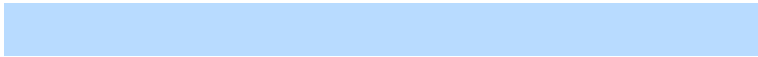
63.1487, 68.0734, 104.4189



70.9465, 68.0734, 54.9894

Square

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



63.1487, 68.0734, 104.4189



74.5603, 68.0734, 78.6952



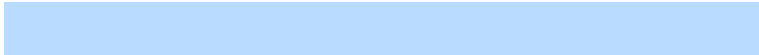
66.2800, 68.0734, 50.3353



55.7529, 68.0734, 69.7264

Rectangle

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



63.1487, 68.0734, 104.4189



71.0930, 68.0734, 96.8460



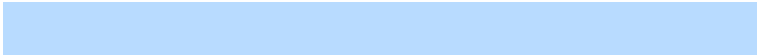
66.2800, 68.0734, 50.3353



58.7055, 68.0734, 55.2608

Sweetspot

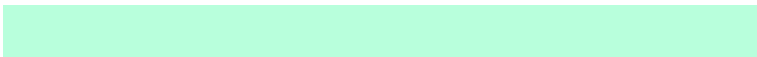
The Sweet Spot groups the original color and five complimentary colors.



63.1506, 68.0760, 104.4193



84.7278, 89.9117, 107.4968



68.3803, 86.8517, 80.5247



17.7425, 18.8567, 22.9545



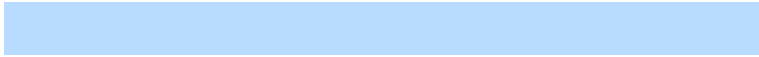
0.0000, 0.0000, 0.0000



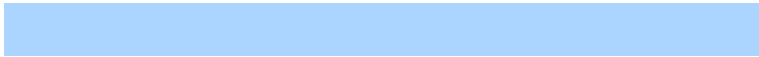
20.3446, 21.4041, 23.3091

Same Dimension

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



63.1506, 68.0760, 104.4193



58.4394, 63.1159, 103.7103



54.9592, 51.6931, 101.6889



17.7425, 18.8567, 22.9545



13.4596, 11.8288, 51.0084



1.4196, 1.3698, 5.0029

Inverse Universe

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



71.1679, 60.6571, 74.9778



67.7006, 55.0996, 69.5765



85.6521, 96.2408, 59.4113



18.3827, 18.1364, 20.6324



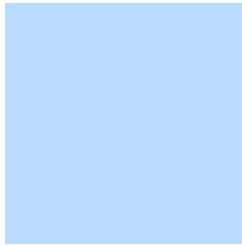
23.5820, 11.9221, 11.7151



2.3511, 1.1828, 1.4305

Previews

White Background



This preview shows how the XYZ color 63.1487, 68.0734, 104.4189 looks on a white background.

Color Contrast Check

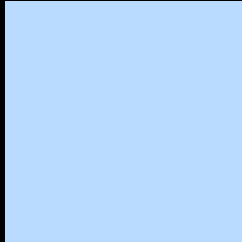
Large Text (above 18pt) WCAG AA × Fail

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 63.1487, 68.0734, 104.4189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

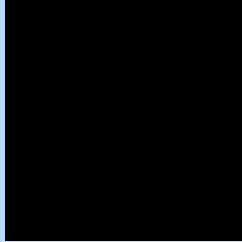
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

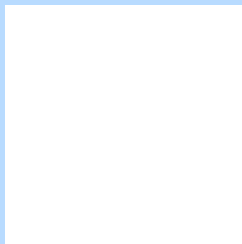
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.1487, 68.0734, 104.4189

Background



This preview shows how black text looks on a background with the XYZ color 63.1487, 68.0734, 104.4189.



This preview shows how white text looks on a background with the XYZ color 63.1487, 68.0734,

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

63.1487, 68.0734, 104.4189

Protanopia

66.9390, 67.8189, 100.8291

Deuteranopia

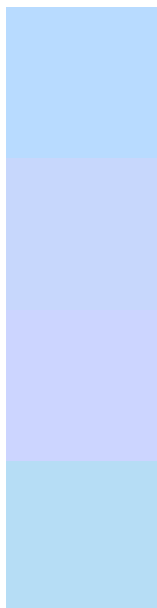
69.1209, 67.7603, 104.0437



Tritanopia

60.7573, 68.2983, 91.6420

Trichromacy



Original Color

63.1487, 68.0734, 104.4189

Protanomaly

65.4243, 67.7713, 101.7284

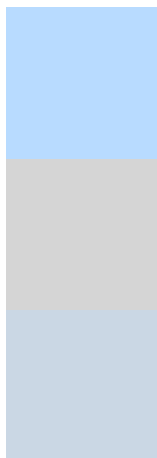
Deuteranomaly

66.7461, 67.6459, 104.1468

Tritanomaly

61.6293, 68.2506, 96.3117

Monochromacy



Original Color

63.1487, 68.0734, 104.4189

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

62.6612, 66.7589, 82.9819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.1487, 68.0734, 104.4189 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, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(184, 219, 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(184, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 219, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.1487, 68.0734, 104.4189 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, 219, 255) }
```


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

```
.border{ border-color:rgb(184, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(184, 219,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.1487, 68.0734, 104.4189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 219, 255) }
```

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

```
.background{ background-color: rgb(184,  
219, 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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