

Converting Colors

XYZ(63.5418, 68.6074,
104.5013)

Have a look what the booklet for
XYZ(63.5418, 68.6074, 104.5013)
contains.

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Color

**XYZ(63.6508, 68.7207,
104.5174)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | B9DCFF |
| RGB | 185, 220, 255 |
| RGB Percent | 73%, 86%, 100% |
| CMY | 0.2745, 0.1372, 0.0000 |
| CMYK | 0.27, 0.14, 0.00, 0.00 |
| HSL | 210°, 100%, 86% |
| HSV | 210°, 27%, 100% |
| XYZ | 63.6508, 68.7207, 104.5174 |
| YIQ | 213.5250, -32.0950, 3.4650 |

Conversions

Conversions Part 2

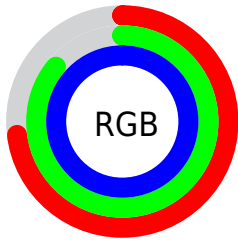
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 185, 208, 255 |
| Decimal | 12180735 |
| CIE Lab | 86.37, -3.78, -20.80 |
| CIE LCh | 86, 21.140, 259.688 |
| Yxy | 68.7207, 0.2687, 0.2901 |
| Android (android.graphics.Color) | 4290370815 (0xFFB9DCFF) |
| YUV | 213.5250, 20.4472, -25.0164 |
| Hunter-Lab | 82.8979, -8.0153, -16.7240 |

Details

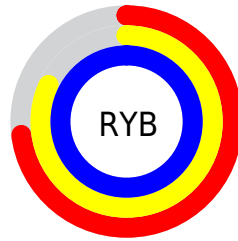
The XYZ color **63.6508, 68.7207, 104.5174** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **75.5903, 75.9488, 56.5763**, and the grayscale version is **63.4817, 66.7877, 72.7318**.

A 20% lighter version of the original color is **90.4279, 97.6172, 108.6837**, and **32.8541, 35.7333, 58.5917** is the 20% darker color. If you saturate the color by 10%, you get **54.8228, 59.3919, 103.1821**, and if you desaturate by 10%, it is **73.8410, 79.1339, 105.9903**.

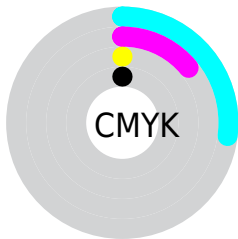
Distribution



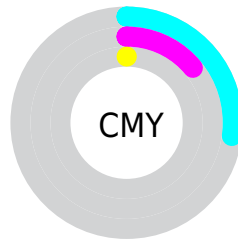
- Red (73%)
- Green (86%)
- Blue (100%)



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



- Cyan (27%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.6508, 68.7207, 104.5174 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 63.6508, 68.7207, 104.5174 by changing the saturation by 10% instead.

■ 63.6508, 68.7207,
104.5174

■ 63.6508, 68.7207,
104.5174

427.5498,
456.0453, 595.9507

■ 46.6285, 50.4843,
79.4407

■ 109.1844,
117.3826, 169.4572

■ 32.9488, 35.7983,
58.7348

138.4265,
148.5768, 210.1574

■ 22.2463, 24.2785,
41.9810

172.4725,
184.8591, 256.9025

■ 14.1556, 15.5403,
28.7610

211.6879,
226.6138, 310.1111

■ 8.3114, 9.1995,
18.6561

256.4379,
274.2254, 370.2017

■ 4.3483, 4.8715,
11.2477

307.0880,

■ 1.9010, 2.1721,

328.0783, 437.5928

6.1175

364.0035,
388.5568, 512.7029

■ 0.5774, 0.7047,
2.8467

■ 0.0000, 0.0000,
1.0169

■ 63.6508, 68.7207,
104.5174

■ 63.6508, 68.7207,
104.5174

■ 54.8228, 59.3919,
103.1821

■ 73.8410, 79.1339,
105.9903

■ 47.2867, 51.0979,
101.9783

■ 85.4478, 90.6626,
107.6038

■ 40.9740, 43.7963,
100.9017

95.0500, 100.0000,
108.9000

■ 35.8071, 37.4381,
99.9468

■ 31.6982, 31.9687,
99.1076

■ 28.5450, 27.3255,
98.3776

■ 26.2156, 23.4304,
97.7486

■ 25.7054, 22.5307,
97.6018

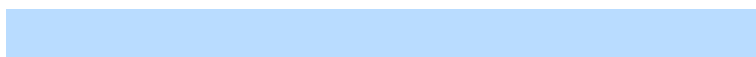
Harmonies

Analogous

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



59.4297, 68.7207, 97.2568



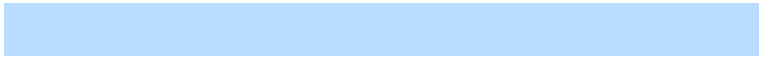
63.6508, 68.7207, 104.5174



68.5311, 68.7207, 103.1024

Triad

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



63.6508, 68.7207, 104.5174



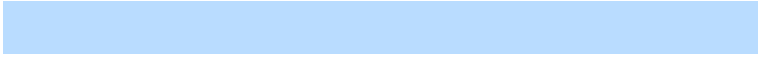
74.5610, 68.7207, 66.1276



58.4166, 68.7207, 58.7438

Complementary

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



63.6508, 68.7207, 104.5174



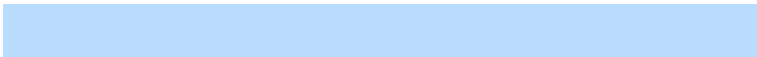
75.5903, 75.9488, 56.5763

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.



62.2049, 68.7207, 52.2577



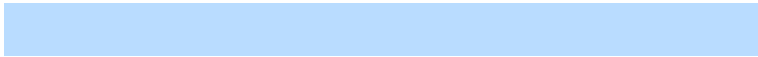
63.6508, 68.7207, 104.5174



71.5808, 68.7207, 56.1385

Square

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



63.6508, 68.7207, 104.5174



74.9957, 68.7207, 79.7420



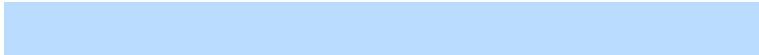
67.0120, 68.7207, 51.3674



56.5090, 68.7207, 70.1147

Rectangle

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



63.6508, 68.7207, 104.5174



71.4976, 68.7207, 97.4811



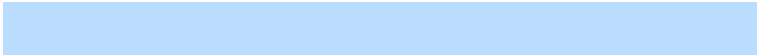
67.0120, 68.7207, 51.3674



59.5032, 68.7207, 55.9833

Sweetspot

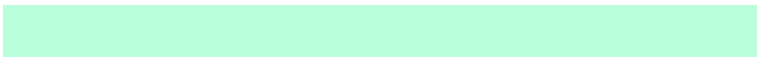
The Sweet Spot groups the original color and five complimentary colors.



63.6527, 68.7234, 104.5178



84.7712, 89.9985, 107.5113



68.5329, 86.9405, 80.0732



17.7535, 18.8786, 22.9582



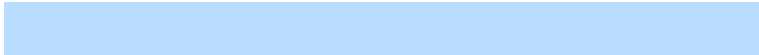
0.0000, 0.0000, 0.0000



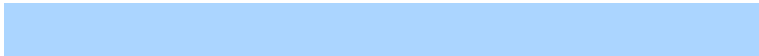
20.3446, 21.4041, 23.3091

Same Dimension

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



63.6527, 68.7234, 104.5178



58.5881, 63.4135, 103.7598



55.6531, 52.7242, 101.8513



17.7535, 18.8786, 22.9582



13.5809, 12.0714, 51.0488



1.4315, 1.3938, 5.0068

Inverse Universe

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



71.5085, 61.1269, 75.7429



67.7757, 55.1296, 69.9719



85.3863, 95.5408, 59.8417



18.3882, 18.1386, 20.6615



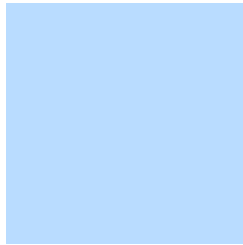
23.6432, 11.9466, 12.0375



2.3572, 1.1852, 1.4623

Previews

White Background



This preview shows how the XYZ color 63.6508, 68.7207, 104.5174 looks on a white background.

Color Contrast Check

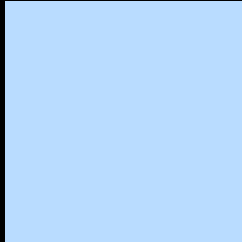
Large Text (above 18pt) WCAG AA × Fail

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 63.6508, 68.7207, 104.5174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

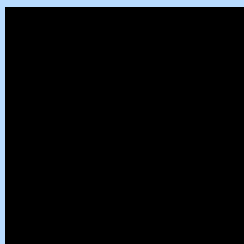
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

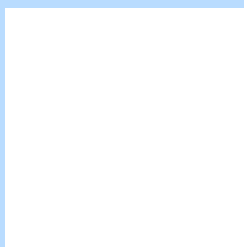
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.6508, 68.7207, 104.5174

Background



This preview shows how black text looks on a background with the XYZ color 63.6508, 68.7207, 104.5174.

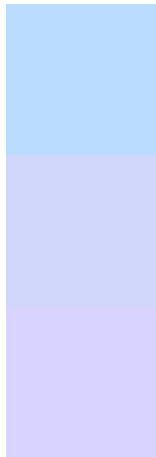


This preview shows how white text looks on a background with the XYZ color 63.6508, 68.7207,

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

63.6508, 68.7207, 104.5174

Protanopia

67.7536, 68.6135, 100.9395

Deuteranopia

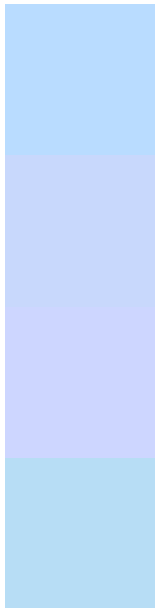
69.6632, 68.4075, 104.1401



Tritanopia

61.1409, 68.4789, 92.4334

Trichromacy



Original Color

63.6508, 68.7207, 104.5174

Protanomaly

65.9460, 68.4194, 101.8260

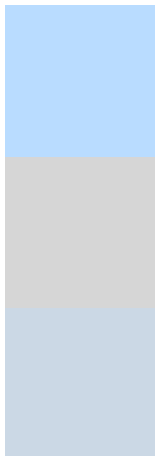
Deuteranomaly

67.2734, 68.2923, 104.2438

Tritanomaly

61.8663, 68.3728, 96.3228

Monochromacy



Original Color

63.6508, 68.7207, 104.5174

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.3273, 67.4654, 83.8132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6508, 68.7207, 104.5174 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(185, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 220, 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(185, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 220, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.6508, 68.7207, 104.5174 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(185, 220, 255) }
```


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

```
.border{ border-color:rgb(185, 220, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(185, 220,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6508, 68.7207, 104.5174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 220, 255) }
```

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

```
.background{ background-color: rgb(185,  
220, 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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