

Converting Colors

XYZ(73.8600, 74.3848,
157.6207)

Have a look what the booklet for
XYZ(73.8600, 74.3848, 157.6207)
contains.

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Color

**XYZ(63.7617, 70.3551,
104.8270)**

Conversions

Conversions Part 1

Format	Color
Hex	B5E0FF
RGB	181, 224, 255
RGB Percent	71%, 88%, 100%
CMY	0.2902, 0.1216, 0.0000
CMYK	0.29, 0.12, 0.00, 0.00
HSL	205°, 100%, 85%
HSV	205°, 29%, 100%
XYZ	63.7617, 70.3551, 104.8270
YIQ	214.6770, -35.5790, 0.5250

Conversions

Conversions Part 2

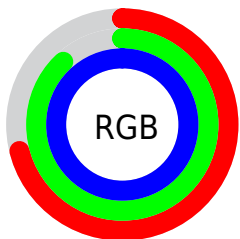
Format	Color
R_YB	181, 208, 255
Decimal	11919615
CIE Lab	87.17, -7.00, -19.60
CIE LCh	87, 20.817, 250.348
Yxy	70.3551, 0.2668, 0.2944
Android (android.graphics.Color)	4290109695 (0xFFB5E0FF)
YUV	214.6770, 19.8792, -29.5347
Hunter-Lab	83.8779, -11.0956, -15.3835

Details

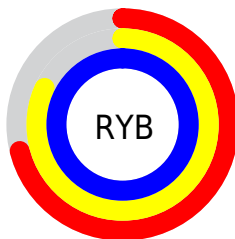
The XYZ color **63.7617, 70.3551, 104.8270** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **73.1240, 71.6828, 53.6999**, and the grayscale version is **64.2618, 67.6084, 73.6255**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **32.9852, 36.8888, 58.8078** is the 20% darker color. If you saturate the color by 10%, you get **55.5399, 61.9896, 103.6457**, and if you desaturate by 10%, it is **73.2620, 79.6508, 106.1206**.

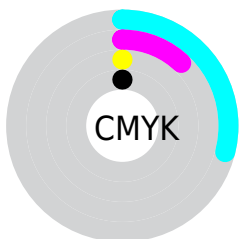
Distribution



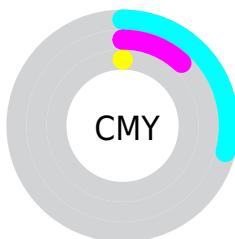
- Red (71%)
- Green (88%)
- Blue (100%)



- Red (71%)
- Yellow (82%)
- Blue (100%)



- Cyan (29%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7617, 70.3551, 104.8270 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 63.7617, 70.3551, 104.8270 by changing the saturation by 10% instead.

63.7617, 70.3551,
104.8270

63.7617, 70.3551,
104.8270

427.9445,
461.7958, 596.9384

46.7187, 51.8161,
79.6986

109.3433,
119.7150, 169.8844

33.0203, 36.8585,
58.9456

138.6126,
151.3047, 210.6505

22.3013, 25.0980,
42.1496

172.6880,
188.0134, 257.4663

14.1963, 16.1500,
28.8920

211.9349,
230.2255, 310.7502

8.3399, 9.6304,
18.7543

256.7187,
278.3254, 370.9208

4.3669, 5.1546,
11.3179

307.4046,

1.9117, 2.3383,

332.6975, 438.3967

6.1642

364.3581,
393.7262, 513.5964

■ 0.5836, 0.7938,
2.8748

■ 0.0000, 0.0000,
1.0311

■ 63.7617, 70.3551,
104.8270

■ 63.7617, 70.3551,
104.8270

■ 55.5399, 61.9896,
103.6457

■ 73.2620, 79.6508,
106.1206

■ 48.5278, 54.5089,
102.5713

■ 84.0934, 89.9036,
107.5287

■ 42.6584, 47.8751,
101.6002

95.0500, 100.0000,
108.9000

■ 37.8553, 42.0436,
100.7278

■ 34.0318, 36.9645,
99.9489

■ 31.0852, 32.5794,
99.2578

■ 28.8659, 28.8053,
98.6463

■ 28.6691, 28.4582,
98.5897

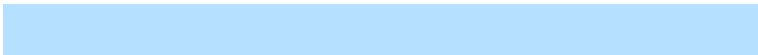
Harmonies

Analogous

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



59.9657, 70.3551, 95.3699



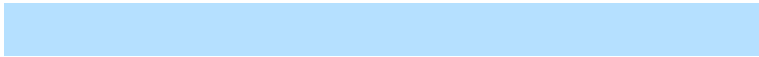
63.7617, 70.3551, 104.8270



68.5715, 70.3551, 106.2248

Triad

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



63.7617, 70.3551, 104.8270



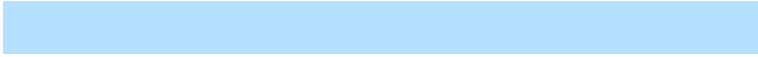
76.5405, 70.3551, 71.8745



60.9729, 70.3551, 57.8814

Complementary

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



63.7617, 70.3551, 104.8270



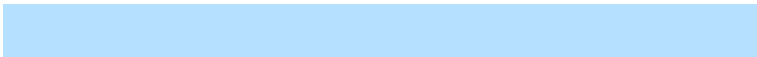
73.1240, 71.6828, 53.6999

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.



65.1977, 70.3551, 53.0765



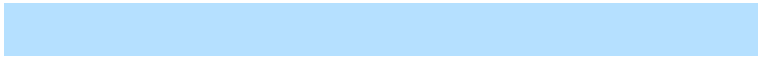
63.7617, 70.3551, 104.8270



74.2858, 70.3551, 60.4782

Square

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



63.7617, 70.3551, 104.8270



76.1099, 70.3551, 86.0101



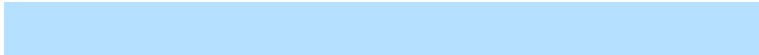
70.0786, 70.3551, 53.9654



58.4107, 70.3551, 67.9113

Rectangle

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



63.7617, 70.3551, 104.8270



71.7283, 70.3551, 102.2370



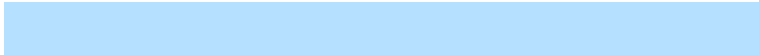
70.0786, 70.3551, 53.9654



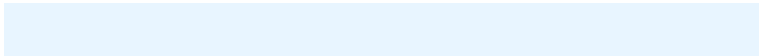
62.2370, 70.3551, 55.6604

Sweetspot

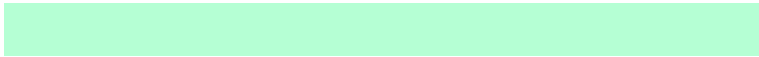
The Sweet Spot groups the original color and five complimentary colors.



63.7637, 70.3578, 104.8275



84.1145, 89.9232, 107.5314



66.6797, 86.0893, 75.2810



17.6484, 18.9149, 22.9707



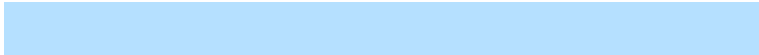
0.0000, 0.0000, 0.0000



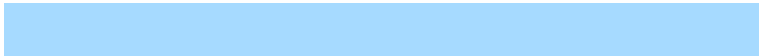
20.3446, 21.4041, 23.3091

Same Dimension

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



63.7637, 70.3578, 104.8275



58.6952, 65.2434, 104.1074



54.9132, 52.6568, 101.8773



17.8800, 19.1315, 23.0003



15.1312, 15.1720, 51.5656



1.5813, 1.6934, 5.0568

Inverse Universe

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



71.2197, 59.6911, 78.2920



67.4354, 53.4835, 72.8350



83.4051, 92.2449, 57.1269



18.4521, 18.1641, 20.9976



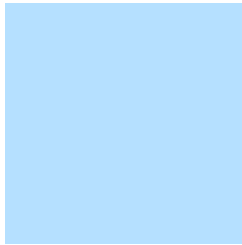
24.4257, 12.2596, 16.1582



2.4328, 1.2155, 1.8605

Previews

White Background



This preview shows how the XYZ color 63.7617, 70.3551, 104.8270 looks on a white background.

Color Contrast Check

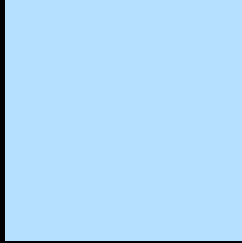
Large Text (above 18pt) WCAG AA × Fail

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 63.7617, 70.3551, 104.8270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

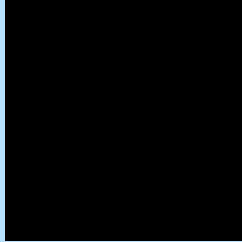
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

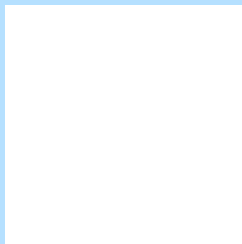
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.7617, 70.3551, 104.8270

Background



This preview shows how black text looks on a background with the XYZ color 63.7617, 70.3551, 104.8270.



This preview shows how white text looks on a background with the XYZ color 63.7617, 70.3551,

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

63.7617, 70.3551, 104.8270

Protanopia

68.9626, 70.0109, 100.3212

Deuteranopia

71.3594, 70.0241, 104.3627



Tritanopia

62.1159, 70.5081, 95.9235

Trichromacy



Original Color

63.7617, 70.3551, 104.8270

Protanomaly

66.9896, 70.1088, 102.0971

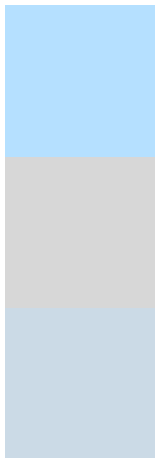
Deuteranomaly

68.3165, 69.9675, 104.5122

Tritanomaly

62.6909, 70.3310, 99.0780

Monochromacy



Original Color

63.7617, 70.3551, 104.8270

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

63.9829, 68.5525, 84.7226

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7617, 70.3551, 104.8270 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(181, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 224, 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(181, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 224, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.7617, 70.3551, 104.8270 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(181, 224, 255) }
```


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

```
.border{ border-color:rgb(181, 224, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 224,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7617, 70.3551, 104.8270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 224, 255) }
```

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

```
.background{ background-color: rgb(181,  
224, 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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