

Converting Colors

XYZ(67.7577, 77.9639, 97.6571)

Have a look what the booklet for
XYZ(67.7577, 77.9639, 97.6571)
contains.

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Color

**XYZ(67.7519, 77.9798,
97.8669)**

Conversions

Conversions Part 1

Format	Color
Hex	<code>BDEDF5</code>
RGB	189, 237, 245
RGB Percent	74%, 93%, 96%
CMY	0.2588, 0.0706, 0.0392
CMYK	0.23, 0.03, 0.00, 0.04
HSL	189°, 74%, 85%
HSV	189°, 23%, 96%
XYZ	67.7519, 77.9798, 97.8669
YIQ	223.5600, -31.1760, -7.6880

Conversions

Conversions Part 2

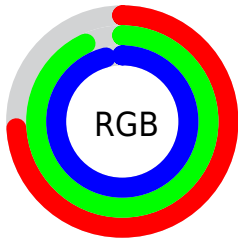
Format	Color
RYB	189, 215, 245
Decimal	12447221
CIELab	90.77, -13.57, -8.93
CIELCh	91, 16.244, 213.334
Yxy	77.9798, 0.2781, 0.3201
Android (android.graphics.Color)	4290637301 (0xFFBDEDF5)
YUV	223.5600, 10.5699, -30.3091
Hunter-Lab	88.3062, -17.5837, -3.8949

Details

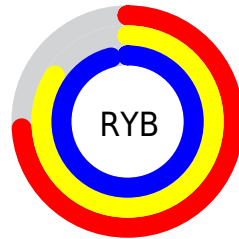
The XYZ color **67.7519, 77.9798, 97.8669** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.8085, 63.0194, 56.7885**, and the grayscale version is **70.4825, 74.1531, 80.7527**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **35.5407, 41.7902, 54.3372** is the 20% darker color. If you saturate the color by 10%, you get **61.1778, 73.1035, 97.2735**, and if you desaturate by 10%, it is **75.3769, 83.4312, 98.5185**.

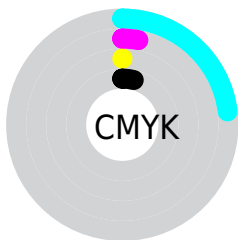
Distribution



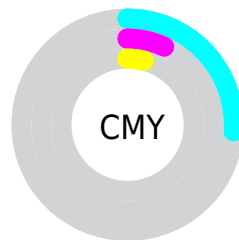
- Red (74%)
- Green (93%)
- Blue (96%)



- Red (74%)
- Yellow (84%)
- Blue (96%)



- Cyan (23%)
- Magenta (3%)
- Yellow (0%)
- Black (4%)



- Cyan (26%)
- Magenta (7%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7519, 77.9798, 97.8669 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 67.7519, 77.9798, 97.8669 by changing the saturation by 10% instead.

67.7519, 77.9798,
97.8669

67.7519, 77.9798,
97.8669

442.0070,
488.0982, 574.5200

49.9689, 58.0574,
73.9134

115.0410,
130.5216, 160.2489

35.6064, 41.8548,
54.2268

145.2778,
163.9099, 199.5145

24.2990, 28.9876,
38.3886

180.3965,
202.5555, 244.7212

15.6815, 19.0714,
25.9803

220.7626,
246.8429, 296.2875

9.3885, 11.7219,
16.5832

266.7413,
297.1565, 354.6320

5.0546, 6.5546,
9.7790

318.6980,

2.3144, 3.1852,

353.8806, 420.1733

5.1490

376.9982,
417.3997, 493.3297

0.8020, 1.2291,
2.2747

0.0000, 0.0853,
0.7170

67.7519, 77.9798,
97.8669

67.7519, 77.9798,
97.8669

61.1778, 73.1035,
97.2735

75.3769, 83.4312,
98.5185

55.5962, 68.7660,
96.7304

84.0940, 89.4730,
99.2253

50.9530, 64.9414,
96.2369

91.1358, 94.6810,
99.8594

47.1866, 61.5976,
95.7900

92.2187, 96.8468,
100.2203

■ 44.2275, 58.6986,
95.3864

■ 93.3218, 99.0530,
100.5880

■ 41.9956, 56.2031,
95.0224

■ 93.4817, 99.3727,
100.6413

■ 40.3940, 54.0607,
94.6933

■ 39.5318, 52.6930,
94.4747

Harmonies

Analogous

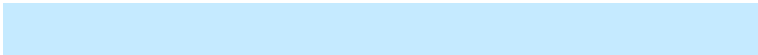
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.5553, 77.9798, 86.2208



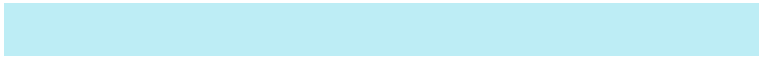
67.7519, 77.9798, 97.8669



70.6508, 77.9798, 106.6184

Triad

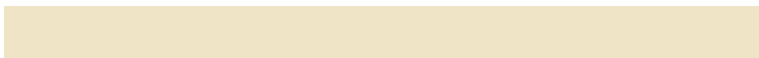
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.7519, 77.9798, 97.8669



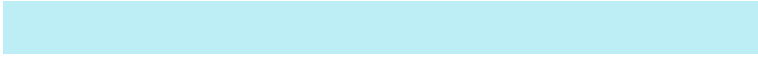
81.3545, 77.9798, 95.3986



73.6619, 77.9798, 64.3867

Complementary

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



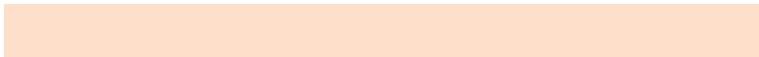
67.7519, 77.9798, 97.8669



66.8085, 63.0194, 56.7885

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.



77.6957, 77.9798, 66.3629



67.7519, 77.9798, 97.8669



82.2317, 77.9798, 83.6061

Square

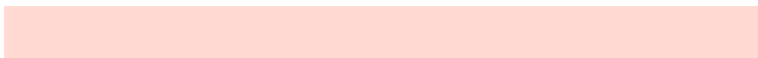
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.7519, 77.9798, 97.8669



78.5145, 77.9798, 105.1040



80.8697, 77.9798, 73.1445



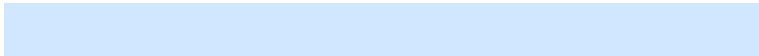
69.8878, 77.9798, 67.4783

Rectangle

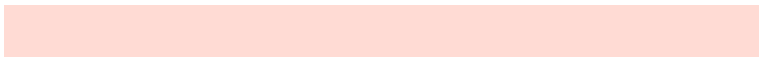
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



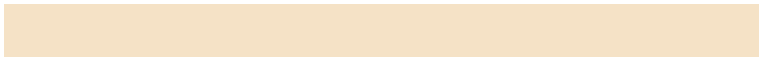
67.7519, 77.9798, 97.8669



73.2102, 77.9798, 109.2454



80.8697, 77.9798, 73.1445



75.0322, 77.9798, 64.4814

Sweetspot

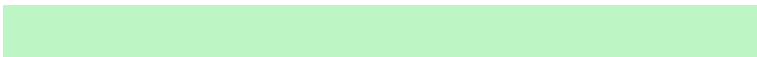
The Sweet Spot groups the original color and five complimentary colors.



67.7542, 77.9830, 97.8687



87.9774, 95.1547, 108.3375



63.6572, 80.1319, 64.6170



18.7063, 20.2809, 23.1786



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.



67.7542, 77.9830, 97.8687



71.0394, 83.0844, 106.9005



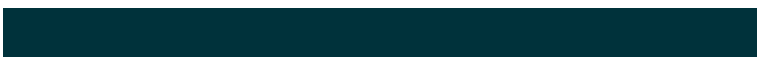
60.4008, 63.2761, 95.4175



16.7832, 18.3307, 21.1962



21.3748, 28.5433, 50.9209



1.9327, 2.6169, 4.4935

Inverse Universe

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



71.1417, 61.9239, 88.3273



75.3376, 63.0439, 94.7187



73.6242, 76.6506, 59.0603



17.1059, 16.7252, 20.3042



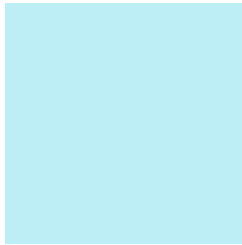
26.5935, 12.9808, 34.1634



2.3646, 1.1518, 3.1465

Previews

White Background



This preview shows how the XYZ color 67.7519, 77.9798, 97.8669 looks on a white background.

Color Contrast Check

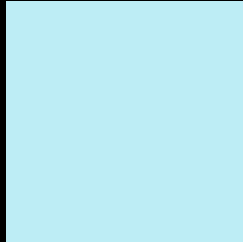
Large Text (above 18pt) WCAG AA × Fail

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 67.7519, 77.9798, 97.8669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

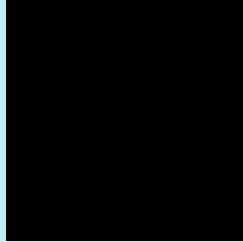
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.7519, 77.9798, 97.8669

Background



This preview shows how black text looks on a background with the XYZ color 67.7519, 77.9798, 97.8669.



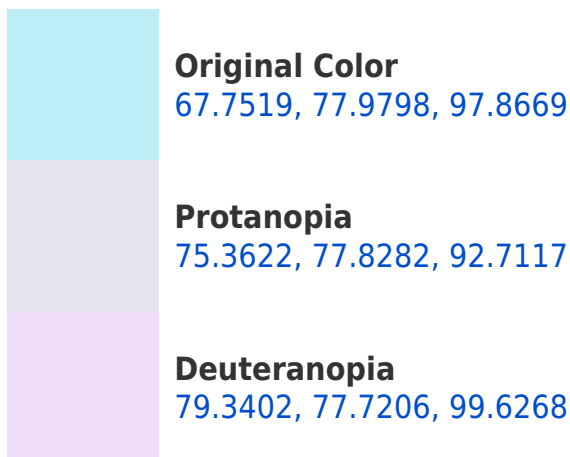
This preview shows how white text looks on a background with the XYZ color 67.7519, 77.9798,

97.8669.

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

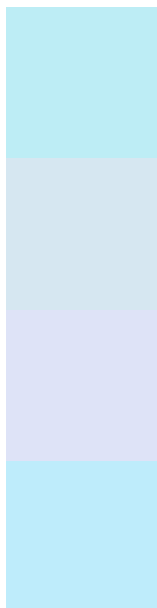




Tritanopia

69.3707, 78.2230, 105.2083

Trichromacy



Original Color

67.7519, 77.9798, 97.8669

Protanomaly

72.1847, 77.7988, 94.4312

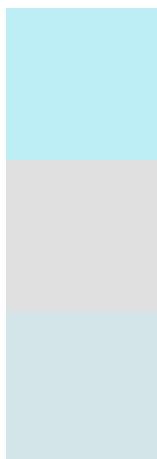
Deuteranomaly

74.3818, 77.1832, 98.9732

Tritanomaly

68.6432, 77.9031, 102.6857

Monochromacy



Original Color

67.7519, 77.9798, 97.8669

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.4488, 75.7137, 87.2978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7519, 77.9798, 97.8669 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(189, 237, 245)` looks like.

```
.text, #text, p{  
    color:rgb(189, 237, 245)  
}
```

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(189, 237, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 237, 245) }
```

Border

The CSS property to change the border of an element to XYZ 67.7519, 77.9798, 97.8669 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(189, 237, 245) }
```


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

```
.border{ border-color:rgb(189, 237, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 237, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 237, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 237, 245);  
box-shadow:4px 4px 4px 4px rgb(189, 237,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7519, 77.9798, 97.8669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 237, 245) }
```

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

```
.background{ background-color: rgb(189,  
237, 245) }
```

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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