

Converting Colors

XYZ(67.9798, 76.6927,
103.3157)

Have a look what the booklet for
XYZ(67.9798, 76.6927, 103.3157)
contains.

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Color

**XYZ(67.9798, 76.6927,
103.3157)**

Conversions

Conversions Part 1

Format	Color
Hex	BDEAFC
RGB	189, 234, 252
RGB Percent	74%, 92%, 99%
CMY	0.2588, 0.0823, 0.0118
CMYK	0.25, 0.07, 0.00, 0.01
HSL	197°, 91%, 86%
HSV	197°, 25%, 99%
XYZ	67.9798, 76.6927, 103.3157
YIQ	222.5970, -32.5980, -3.9420

Conversions

Conversions Part 2

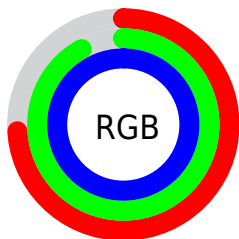
Format	Color
R _{YB}	189, 215, 252
Decimal	12446460
CIE Lab	90.18, -10.53, -13.46
CIE LCh	90, 17.089, 231.981
Yxy	76.6927, 0.2741, 0.3093
Android (android.graphics.Color)	4290636540 (0xFFBDEAFC)
YUV	222.5970, 14.4957, -29.4646
Hunter-Lab	87.5744, -14.6941, -8.6452

Details

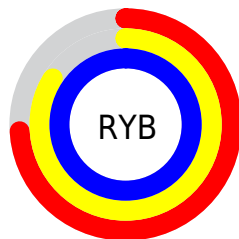
The XYZ color **67.9798, 76.6927, 103.3157** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.6440, 68.9958, 57.6875**, and the grayscale version is **69.7723, 73.4059, 79.9391**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **35.6022, 40.8493, 57.6380** is the 20% darker color. If you saturate the color by 10%, you get **60.2561, 69.7317, 102.3805**, and if you desaturate by 10%, it is **76.8775, 84.3863, 104.3330**.

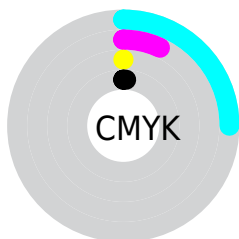
Distribution



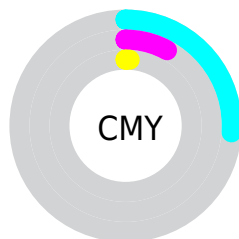
- Red (74%)
- Green (92%)
- Blue (99%)



- Red (74%)
- Yellow (84%)
- Blue (99%)



- Cyan (25%)
- Magenta (7%)
- Yellow (0%)
- Black (1%)



- Cyan (26%)
- Magenta (8%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.9798, 76.6927, 103.3157 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 67.9798, 76.6927, 103.3157 by changing the saturation by 10% instead.

67.9798, 76.6927,
103.3157

67.9798, 76.6927,
103.3157

442.8023,
483.7156, 592.1088

50.1549, 57.0007,
78.4402

115.3653,
128.7056, 167.7978

35.7548, 41.0058,
57.9171

145.6567,
161.7953, 208.2415

24.4141, 28.3236,
41.3277

180.8342,
200.1197, 254.7117

15.7675, 18.5697,
28.2536

221.2633,
244.0631, 307.6269

9.4496, 11.3598,
18.2762

267.3093,
294.0101, 367.4057

5.0950, 6.3094,
10.9770

319.3375,

2.3384, 3.0341,

350.3449, 434.4666

5.9374

377.7134,
413.4519, 509.2281

■ 0.8142, 1.1496,
2.7389

■ 0.0000, 0.0199,
0.9629

■ 67.9798, 76.6927,
103.3157

■ 67.9798, 76.6927,
103.3157

■ 60.2561, 69.7317,
102.3805

■ 76.8775, 84.3863,
104.3330

■ 53.6422, 63.4632,
101.5191

■ 86.9953, 92.8321,
105.4300

■ 48.0784, 57.8567,
100.7302

■ 94.5709, 99.8084,
106.3772

■ 43.4958, 52.8753,
100.0102

■ 39.8172, 48.4776,
99.3552

■ 36.9524, 44.6155,
98.7608

■ 34.7909, 41.2305,
98.2213

■ 33.8944, 39.6753,
97.9684

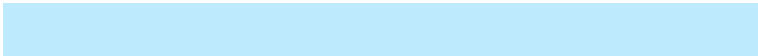
Harmonies

Analogous

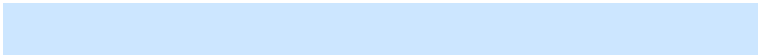
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.5816, 76.6927, 92.5675



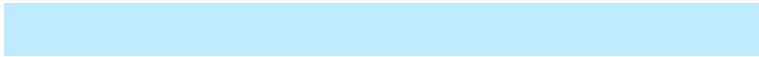
67.9798, 76.6927, 103.3157



71.7610, 76.6927, 108.8673

Triad

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



67.9798, 76.6927, 103.3157



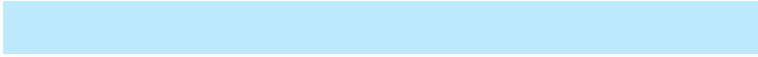
81.2821, 76.6927, 86.8100



69.8804, 76.6927, 63.6437

Complementary

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



67.9798, 76.6927, 103.3157



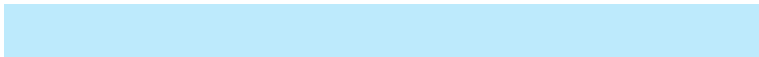
71.6440, 68.9958, 57.6875

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.



74.0391, 76.6927, 62.4240



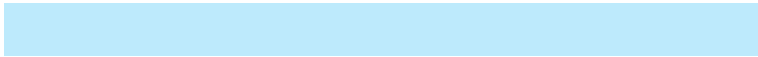
67.9798, 76.6927, 103.3157



80.7309, 76.6927, 75.0547

Square

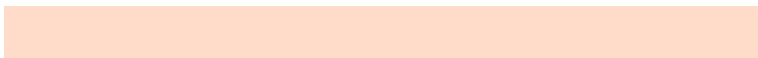
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.9798, 76.6927, 103.3157



79.5178, 76.6927, 98.7522



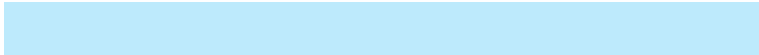
78.0397, 76.6927, 66.4044



66.6489, 76.6927, 69.9146

Rectangle

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



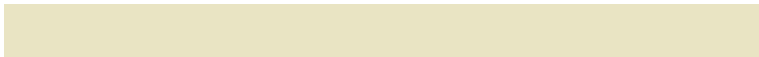
67.9798, 76.6927, 103.3157



74.6023, 76.6927, 108.5326



78.0397, 76.6927, 66.4044



71.2122, 76.6927, 62.6555

Sweetspot

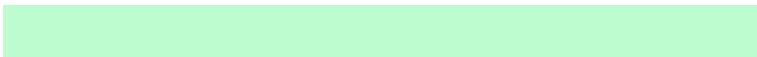
The Sweet Spot groups the original color and five complimentary colors.



67.9821, 76.6958, 103.3174



87.1799, 93.5599, 108.0717



67.0425, 84.9388, 71.7985



18.5213, 19.9108, 23.1169



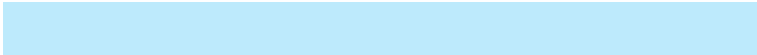
0.0000, 0.0000, 0.0000



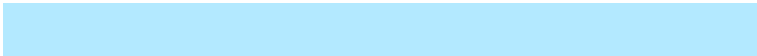
20.3446, 21.4041, 23.3091

Same Dimension

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



67.9821, 76.6958, 103.3174



65.7053, 75.1047, 105.6414



59.8321, 60.3957, 100.6008



17.3223, 18.7215, 22.0859



17.7879, 20.9314, 51.0762



1.7379, 2.1194, 4.7607

Inverse Universe

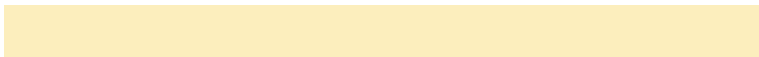
The Inverse Universe completely reimagines the original color for something new.



73.1957, 63.0331, 86.1541



71.9889, 59.1917, 84.8310



80.0082, 85.7242, 60.4755



17.7692, 17.4350, 20.6405



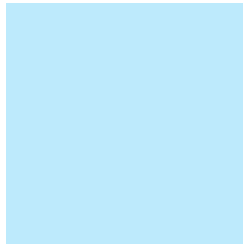
25.2705, 12.5239, 23.9308



2.3861, 1.1782, 2.4567

Previews

White Background



This preview shows how the XYZ color 67.9798, 76.6927, 103.3157 looks on a white background.

Color Contrast Check

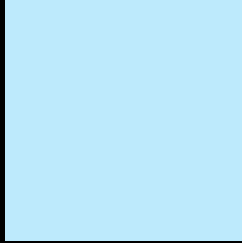
Large Text (above 18pt) WCAG AA × Fail

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 67.9798, 76.6927, 103.3157 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 67.9798, 76.6927, 103.3157

Background



This preview shows how black text looks on a background with the XYZ color 67.9798, 76.6927, 103.3157.

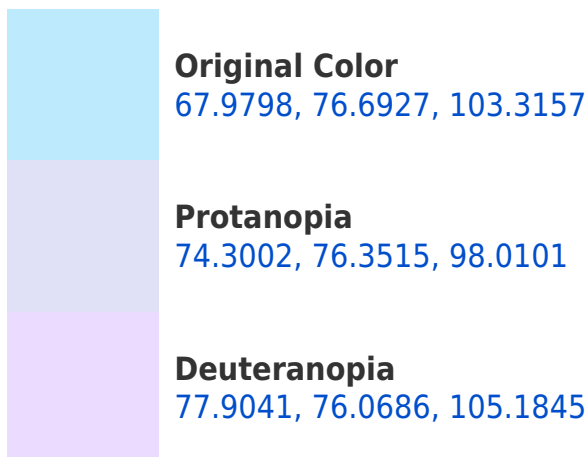


This preview shows how white text looks on a background with the XYZ color 67.9798, 76.6927,

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

68.1387, 76.7563, 104.1527

Trichromacy



Original Color

67.9798, 76.6927, 103.3157

Protanomaly

71.5506, 76.1130, 99.7271

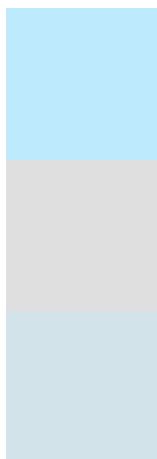
Deuteranomaly

73.7280, 75.9116, 104.5325

Tritanomaly

68.1387, 76.7563, 104.1527

Monochromacy



Original Color

67.9798, 76.6927, 103.3157

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.1843, 74.7276, 88.6194

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.9798, 76.6927, 103.3157 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, 234, 252)` looks like.

```
.text, #text, p{  
    color:rgb(189, 234, 252)  
}
```

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, 234, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 234, 252) }
```

Border

The CSS property to change the border of an element to XYZ 67.9798, 76.6927, 103.3157 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, 234, 252) }
```


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

```
.border{ border-color:rgb(189, 234, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 234, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 234, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 234, 252);  
box-shadow:4px 4px 4px 4px rgb(189, 234,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 67.9798, 76.6927, 103.3157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 234, 252) }
```

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

```
.background{ background-color: rgb(189,  
234, 252) }
```

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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