

Converting Colors

XYZ(67.7935, 77.0750,
100.9264)

Have a look what the booklet for
XYZ(67.7935, 77.0750, 100.9264)
contains.

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Color

**XYZ(67.7935, 77.0750,
100.9264)**

Conversions

Conversions Part 1

Format	Color
Hex	BDEBF9
RGB	189, 235, 249
RGB Percent	74%, 92%, 98%
CMY	0.2588, 0.0784, 0.0235
CMYK	0.24, 0.06, 0.00, 0.02
HSL	194°, 83%, 86%
HSV	194°, 24%, 98%
XYZ	67.7935, 77.0750, 100.9264
YIQ	222.8420, -31.9100, -5.3980

Conversions

Conversions Part 2

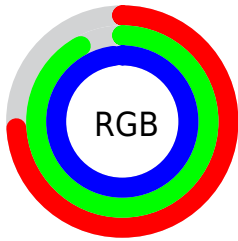
Format	Color
RYB	189, 215, 249
Decimal	12446713
CIELab	90.36, -11.69, -11.63
CIELCh	90, 16.493, 224.850
Yxy	77.0750, 0.2758, 0.3136
Android (android.graphics.Color)	4290636793 (0xFFBDEBF9)
YUV	222.8420, 12.8959, -29.6794
Hunter-Lab	87.7924, -15.7985, -6.7053

Details

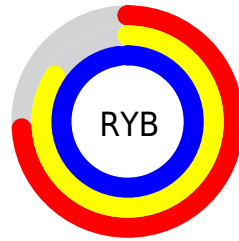
The XYZ color **67.7935, 77.0750, 100.9264** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.6091, 66.5262, 57.3180**, and the grayscale version is **69.9566, 73.5997, 80.1501**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **35.5773, 41.1588, 56.5214** is the 20% darker color. If you saturate the color by 10%, you get **60.5037, 70.8900, 100.1181**, and if you desaturate by 10%, it is **76.2026, 83.9215, 101.8060**.

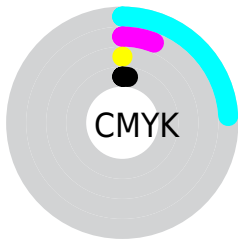
Distribution



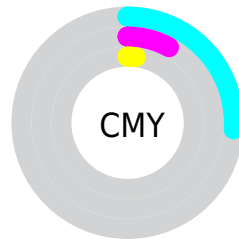
- Red (74%)
- Green (92%)
- Blue (98%)



- Red (74%)
- Yellow (84%)
- Blue (98%)



- Cyan (24%)
- Magenta (6%)
- Yellow (0%)
- Black (2%)



- Cyan (26%)
- Magenta (8%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7935, 77.0750, 100.9264 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 67.7935, 77.0750, 100.9264 by changing the saturation by 10% instead.

67.7935, 77.0750,
100.9264

67.7935, 77.0750,
100.9264

442.1522,
485.0197, 584.4308

50.0028, 57.3144,
76.4533

115.1002,
129.2453, 164.4927

35.6334, 41.2577,
56.2954

145.3470,
162.4239, 204.4228

24.3200, 28.5205,
40.0342

180.4764,
200.8439, 250.3424

15.6972, 18.7184,
27.2512

220.8540,
244.8898, 302.6700

9.3996, 11.4670,
17.5279

266.8450,
294.9459, 361.8241

5.0619, 6.3819,
10.4456

318.8148,

2.3188, 3.0786,

351.3967, 428.2232

5.5860

377.1288,
414.6265, 502.2859

■ 0.8042, 1.1729,
2.5303

■ 0.0000, 0.0394,
0.8562

■ 67.7935, 77.0750,
100.9264

■ 67.7935, 77.0750,
100.9264

■ 60.5037, 70.8900,
100.1181

■ 76.2026, 83.9215,
101.8060

■ 54.2716, 65.3283,
99.3730

■ 85.7748, 91.4470,
102.7540

■ 49.0400, 60.3614,
98.6900

■ 93.2852, 97.9917,
103.6214

■ 44.7434, 55.9549,
98.0660

■ 94.0991, 99.6197,
103.8928

■ 41.3079, 52.0698,
97.4971

■ 38.6480, 48.6613,
96.9794

■ 36.6593, 45.6746,
96.5077

■ 35.7107, 44.0629,
96.2466

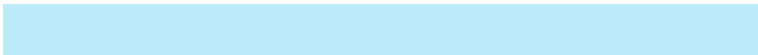
Harmonies

Analogous

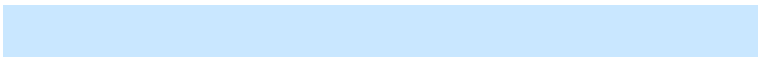
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.8773, 77.0750, 89.8599



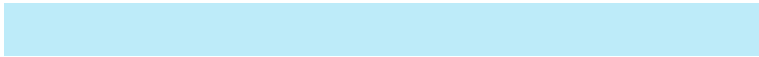
67.7935, 77.0750, 100.9264



71.2103, 77.0750, 107.7321

Triad

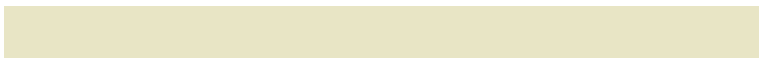
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.7935, 77.0750, 100.9264



81.1578, 77.0750, 89.9802



71.2497, 77.0750, 63.8807

Complementary

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



67.7935, 77.0750, 100.9264



69.6091, 66.5262, 57.3180

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.



75.3435, 77.0750, 63.9064



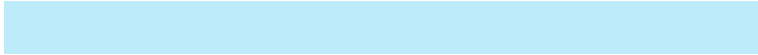
67.7935, 77.0750, 100.9264



81.1693, 77.0750, 78.2508

Square

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



67.7935, 77.0750, 100.9264



78.9765, 77.0750, 101.0215



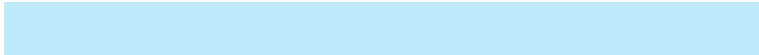
79.0074, 77.0750, 68.9429



67.8214, 77.0750, 68.8691

Rectangle

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



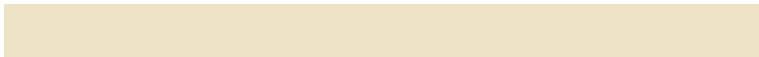
67.7935, 77.0750, 100.9264



73.9280, 77.0750, 108.5682



79.0074, 77.0750, 68.9429



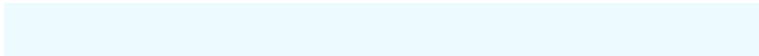
72.5911, 77.0750, 63.3195

Sweetspot

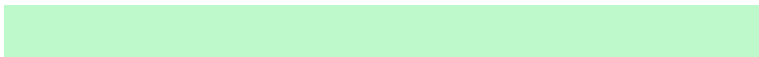
The Sweet Spot groups the original color and five complimentary colors.



67.7958, 77.0781, 100.9282



87.4711, 94.1422, 108.1688



65.5242, 82.8359, 68.4143



18.5888, 20.0458, 23.1394



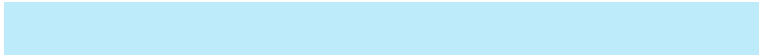
0.0000, 0.0000, 0.0000



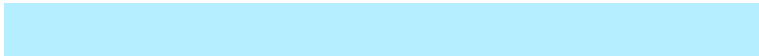
20.3446, 21.4041, 23.3091

Same Dimension

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



67.7958, 77.0781, 100.9282



67.6191, 78.0523, 106.1094



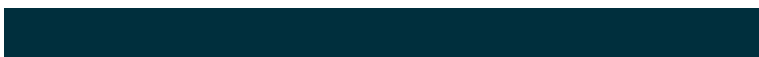
60.1581, 61.8028, 98.3823



17.4025, 18.8817, 22.1126



19.2291, 23.8137, 51.5566



1.8611, 2.3659, 4.8018

Inverse Universe

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



72.2618, 62.5350, 86.8625



73.1697, 60.4863, 88.5137



77.1103, 81.5286, 59.8184



17.8097, 17.4512, 20.8535



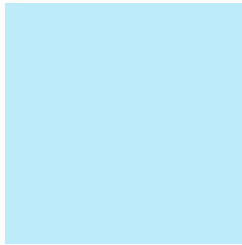
25.9980, 12.8149, 27.7614



2.4483, 1.2031, 2.7843

Previews

White Background



This preview shows how the XYZ color 67.7935, 77.0750, 100.9264 looks on a white background.

Color Contrast Check

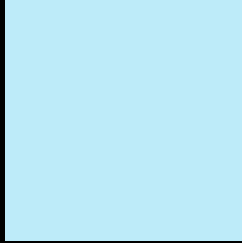
Large Text (above 18pt) WCAG AA × Fail

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 67.7935, 77.0750, 100.9264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

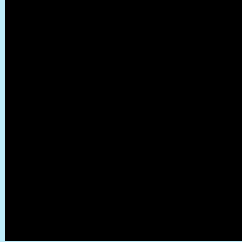
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.7935, 77.0750, 100.9264

Background



This preview shows how black text looks on a background with the XYZ color 67.7935, 77.0750, 100.9264.

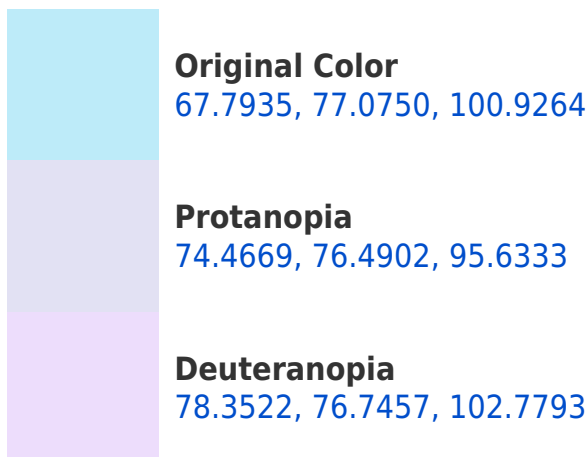


This preview shows how white text looks on a background with the XYZ color 67.7935, 77.0750,

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

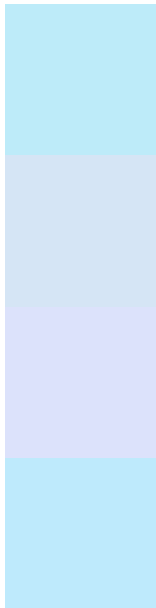




Tritanopia

68.3876, 76.8846, 104.1643

Trichromacy



Original Color

67.7935, 77.0750, 100.9264

Protanomaly

71.9413, 76.7773, 97.4140

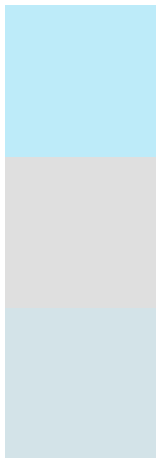
Deuteranomaly

74.1241, 76.5734, 102.1402

Tritanomaly

68.2287, 76.8211, 103.3274

Monochromacy



Original Color

67.7935, 77.0750, 100.9264

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

68.8985, 74.6132, 87.1144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7935, 77.0750, 100.9264 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, 235, 249)` looks like.

```
.text, #text, p{  
    color:rgb(189, 235, 249)  
}
```

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, 235, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 235, 249) }
```

Border

The CSS property to change the border of an element to XYZ 67.7935, 77.0750, 100.9264 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, 235, 249) }
```


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

```
.border{ border-color:rgb(189, 235, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 235, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 235, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 235, 249);  
box-shadow:4px 4px 4px 4px rgb(189, 235,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7935, 77.0750, 100.9264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 235, 249) }
```

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

```
.background{ background-color: rgb(189,  
235, 249) }
```

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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