

Converting Colors

XYZ(67.7946, 76.6281,
102.0563)

Have a look what the booklet for
XYZ(67.7946, 76.6281, 102.0563)
contains.

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Color

**XYZ(67.6644, 76.5666,
101.6550)**

Conversions

Conversions Part 1

Format	Color
Hex	BDEAFA
RGB	189, 234, 250
RGB Percent	74%, 92%, 98%
CMY	0.2588, 0.0823, 0.0196
CMYK	0.24, 0.06, 0.00, 0.02
HSL	196°, 86%, 86%
HSV	196°, 24%, 98%
XYZ	67.6644, 76.5666, 101.6550
YIQ	222.3690, -31.9560, -4.5640

Conversions

Conversions Part 2

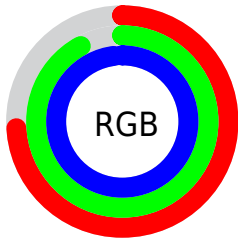
Format	Color
RYB	189, 215, 250
Decimal	12446458
CIELab	90.12, -10.97, -12.50
CIELCh	90, 16.632, 228.748
Yxy	76.5666, 0.2752, 0.3114
Android (android.graphics.Color)	4290636538 (0xFFBDEAFA)
YUV	222.3690, 13.6221, -29.2646
Hunter-Lab	87.5023, -15.0974, -7.6279

Details

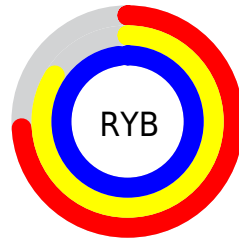
The XYZ color **67.6644, 76.5666, 101.6550** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.4418, 67.6611, 57.4930**, and the grayscale version is **69.6167, 73.2422, 79.7607**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **35.4895, 40.8042, 57.0444** is the 20% darker color. If you saturate the color by 10%, you get **60.1579, 69.9788, 100.7803**, and if you desaturate by 10%, it is **76.3135, 83.8498, 102.6062**.

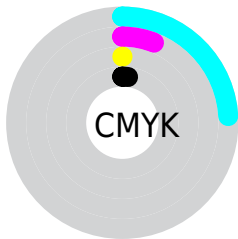
Distribution



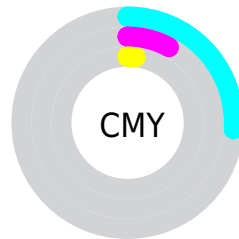
- Red (74%)
- Green (92%)
- Blue (98%)



- 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 67.6644, 76.5666, 101.6550 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 67.6644, 76.5666, 101.6550 by changing the saturation by 10% instead.

67.6644, 76.5666,
101.6550

67.6644, 76.5666,
101.6550

441.7014,
483.2851, 586.7778

49.8974, 56.8972,
77.0588

114.9165,
128.5275, 165.5013

35.5494, 40.9227,
56.7893

145.1323,
161.5878, 205.5886

24.2549, 28.2587,
40.4279

180.2284,
199.8806, 251.6767

15.6485, 18.5208,
27.5560

220.5702,
243.7903, 304.1841

9.3651, 11.3245,
17.7551

266.5231,
293.7011, 363.5293

5.0391, 6.2856,
10.6067

318.4523,

2.3052, 3.0195,

349.9976, 430.1310

5.6922

376.7233,
413.0641, 504.4076

■ 0.7973, 1.1419,
2.5931

■ 0.0000, 0.0135,
0.8889

■ 67.6644, 76.5666,
101.6550

■ 67.6644, 76.5666,
101.6550

■ 60.1579, 69.9788,
100.7803

■ 76.3135, 83.8498,
102.6062

■ 53.7314, 64.0473,
99.9742

■ 86.1499, 91.8468,
103.6313

■ 48.3269, 58.7431,
99.2352

■ 93.8338, 98.8388,
104.5760

■ 43.8778, 54.0305,
98.5601

■ 94.2556, 99.6822,
104.7165

■ 40.3088, 49.8697,
97.9451

■ 37.5329, 46.2147,
97.3859

■ 35.4436, 43.0093,
96.8773

■ 34.4873, 41.3657,
96.6104

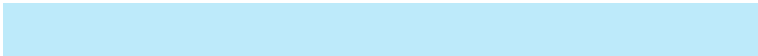
Harmonies

Analogous

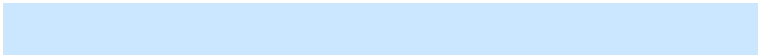
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.5130, 76.5666, 90.8905



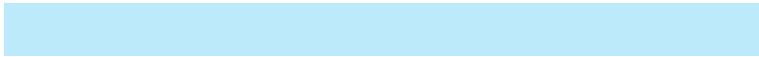
67.6644, 76.5666, 101.6550



71.2362, 76.5666, 107.7128

Triad

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



67.6644, 76.5666, 101.6550



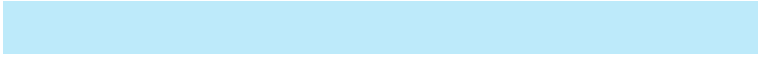
80.8409, 76.5666, 87.8834



70.2526, 76.5666, 63.6394

Complementary

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



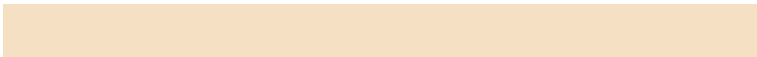
67.6644, 76.5666, 101.6550



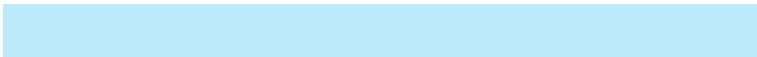
70.4418, 67.6611, 57.4930

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.



74.3343, 76.5666, 62.9991



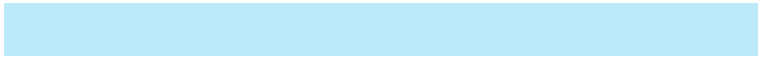
67.6644, 76.5666, 101.6550



80.5532, 76.5666, 76.2725

Square

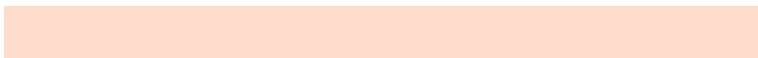
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.6644, 76.5666, 101.6550



78.9070, 76.5666, 99.2753



78.1351, 76.5666, 67.4172



66.9678, 76.5666, 69.2578

Rectangle

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



67.6644, 76.5666, 101.6550



73.9882, 76.5666, 107.9176



78.1351, 76.5666, 67.4172



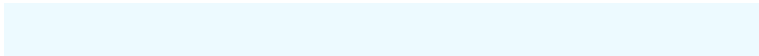
71.5736, 76.5666, 62.8561

Sweetspot

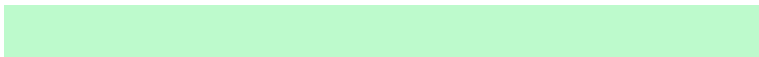
The Sweet Spot groups the original color and five complimentary colors.



67.6667, 76.5697, 101.6567



87.3099, 93.8199, 108.1151



66.1025, 83.5631, 69.9310



18.5514, 19.9711, 23.1270



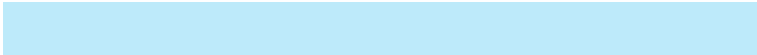
0.0000, 0.0000, 0.0000



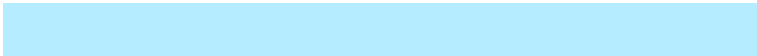
20.3446, 21.4041, 23.3091

Same Dimension

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



67.6667, 76.5697, 101.6567



67.0001, 76.8144, 105.9031



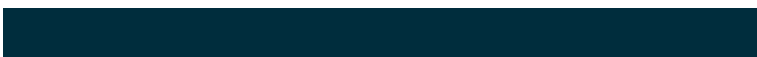
59.8955, 61.0273, 99.0663



17.3581, 18.7930, 22.0978



18.4163, 22.1882, 51.2857



1.7918, 2.2273, 4.7787

Inverse Universe

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



72.4751, 62.6615, 86.1204



72.8573, 60.3614, 86.8685



78.2478, 83.2732, 60.0950



17.7873, 17.4423, 20.7356



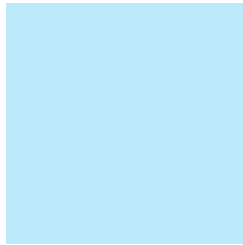
25.5877, 12.6508, 25.6012



2.4134, 1.1891, 2.6001

Previews

White Background



This preview shows how the XYZ color 67.6644, 76.5666, 101.6550 looks on a white background.

Color Contrast Check

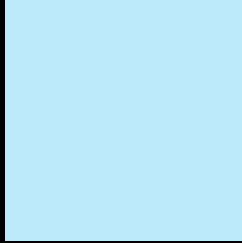
Large Text (above 18pt) WCAG AA × Fail

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 67.6644, 76.5666, 101.6550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

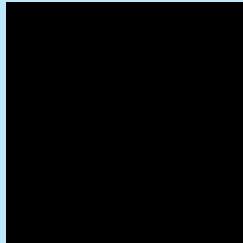
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.6644, 76.5666, 101.6550

Background



This preview shows how black text looks on a background with the XYZ color 67.6644, 76.5666, 101.6550.

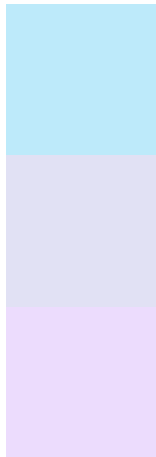


This preview shows how white text looks on a background with the XYZ color 67.6644, 76.5666,

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

67.6644, 76.5666, 101.6550

Protanopia

74.3057, 76.3896, 96.4163

Deuteranopia

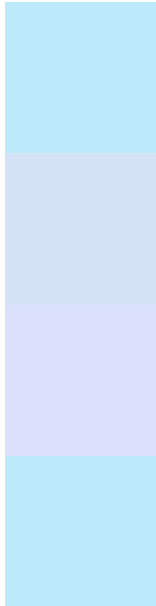
77.9149, 76.1111, 103.5129



Tritanopia

67.9798, 76.6927, 103.3157

Trichromacy



Original Color

67.6644, 76.5666, 101.6550

Protanomaly

71.5293, 76.1377, 98.1148

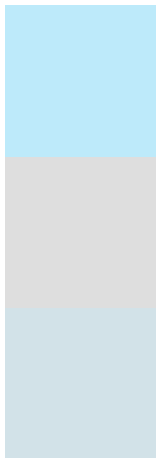
Deuteranomaly

73.7093, 75.9388, 102.8682

Tritanomaly

67.8217, 76.6295, 102.4832

Monochromacy



Original Color

67.6644, 76.5666, 101.6550

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.3402, 73.9205, 87.0101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.6644, 76.5666, 101.6550 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(189, 234, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 234, 250) }
```

Border

The CSS property to change the border of an element to XYZ 67.6644, 76.5666, 101.6550 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, 250) }
```


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

```
.border{ border-color:rgb(189, 234, 250) }
```

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, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 234, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 234, 250);  
box-shadow:4px 4px 4px 4px rgb(189, 234,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6644, 76.5666, 101.6550 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, 250) }
```

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

```
.background{ background-color: rgb(189,  
234, 250) }
```

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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