

Converting Colors

XYZ(68.6712, 77.4925,
101.5299)

Have a look what the booklet for
XYZ(68.6712, 77.4925, 101.5299)
contains.

XYZ(68.7019, 77.5253, 101.7854)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.7019, 77.5253,
101.7854)**

Conversions

Conversions Part 1

Format	Color
Hex	C0EBFA
RGB	192, 235, 250
RGB Percent	75%, 92%, 98%
CMY	0.2470, 0.0784, 0.0196
CMYK	0.23, 0.06, 0.00, 0.02
HSL	196°, 85%, 87%
HSV	196°, 23%, 98%
XYZ	68.7019, 77.5253, 101.7854
YIQ	223.8530, -30.4430, -4.4510

Conversions

Conversions Part 2

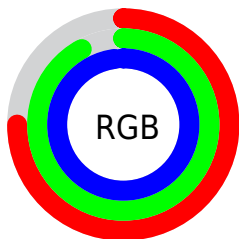
Format	Color
R _Y B	192, 217, 250
Decimal	12643322
CIE Lab	90.56, -10.60, -11.83
CIE LCh	91, 15.881, 228.138
Yxy	77.5253, 0.2770, 0.3126
Android (android.graphics.Color)	4290833402 (0xFFC0EBFA)
YUV	223.8530, 12.8905, -27.9351
Hunter-Lab	88.0485, -14.8059, -6.9063

Details

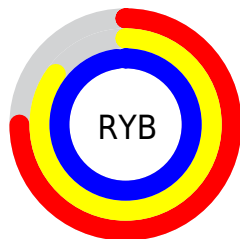
The XYZ color **68.7019, 77.5253, 101.7854** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.2524, 68.7557, 59.3866**, and the grayscale version is **70.6749, 74.3555, 80.9732**.

A 20% lighter version of the original color is **92.8769, 98.8797, 108.7983**, and **36.1742, 41.4536, 57.1337** is the 20% darker color. If you saturate the color by 10%, you get **61.0848, 70.9026, 100.9098**, and if you desaturate by 10%, it is **77.4661, 84.8431, 102.7372**.

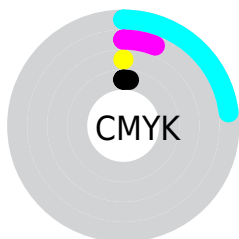
Distribution



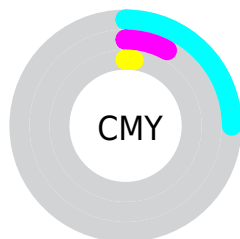
- Red (75%)
- Green (92%)
- Blue (98%)



- Red (75%)
- Yellow (85%)
- Blue (98%)



- Cyan (23%)
- Magenta (6%)
- Yellow (0%)
- Black (2%)



- Cyan (25%)
- Magenta (8%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7019, 77.5253, 101.7854 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 68.7019, 77.5253, 101.7854 by changing the saturation by 10% instead.

68.7019, 77.5253,
101.7854

68.7019, 77.5253,
101.7854

445.3167,
486.5532, 587.1973

50.7447, 57.6841,
77.1673

116.3921,
129.8807, 165.6818

36.2257, 41.5547,
56.8778

146.8558,
163.1638, 205.7971

24.7795, 28.7528,
40.4984

182.2192,
201.6962, 251.9153

16.0407, 18.8939,
27.6106

222.8474,
245.8624, 304.4548

9.6440, 11.5936,
17.7959

269.1059,
296.0468, 363.8342

5.2240, 6.4676,
10.6356

321.3601,

2.4154, 3.1315,

352.6338, 430.4721

5.7113

379.9752,
416.0078, 504.7869

0.8528, 1.2007,
2.6044

0.0000, 0.0623,
0.8947

68.7019, 77.5253,
101.7854

68.7019, 77.5253,
101.7854

61.0848, 70.9026,
100.9098

77.4661, 84.8431,
102.7372

54.5528, 64.9362,
100.1025

87.4215, 92.8739,
103.7626

49.0485, 59.5973,
99.3621

94.0637, 99.2986,
104.6526

44.5061, 54.8509,
98.6853

94.2556, 99.6822,
104.7166

■ 40.8516, 50.6579,
98.0686

■ 37.9998, 46.9731,
97.5077

■ 35.8471, 43.7420,
96.9975

■ 34.6796, 41.7502,
96.6746

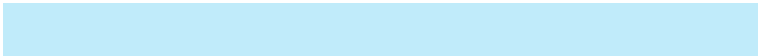
Harmonies

Analogous

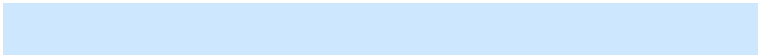
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.6584, 77.5253, 91.4110



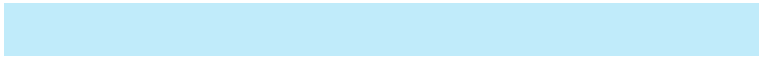
68.7019, 77.5253, 101.7854



72.1256, 77.5253, 107.6961

Triad

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



68.7019, 77.5253, 101.7854



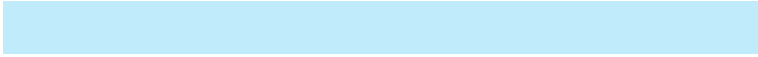
81.4210, 77.5253, 88.9915



71.3317, 77.5253, 65.2728

Complementary

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



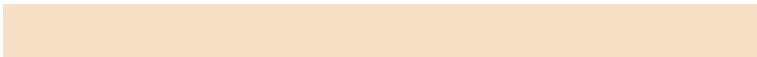
68.7019, 77.5253, 101.7854



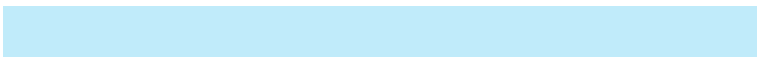
71.2524, 68.7557, 59.3866

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.



75.2677, 77.5253, 64.7517



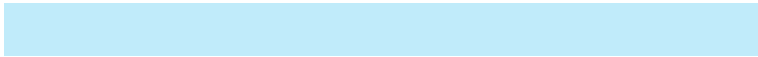
68.7019, 77.5253, 101.7854



81.1898, 77.5253, 77.7795

Square

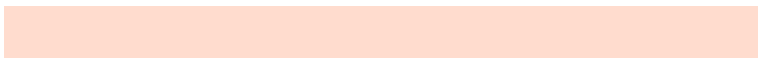
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.7019, 77.5253, 101.7854



79.5254, 77.5253, 99.8776



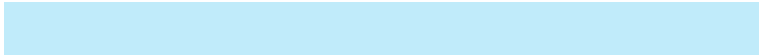
78.9044, 77.5253, 69.1371



68.1387, 77.5253, 70.6312

Rectangle

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



68.7019, 77.5253, 101.7854



74.7727, 77.5253, 107.9869



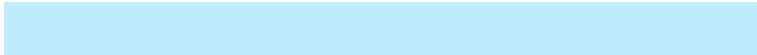
78.9044, 77.5253, 69.1371



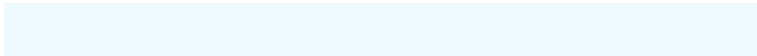
72.6088, 77.5253, 64.5449

Sweetspot

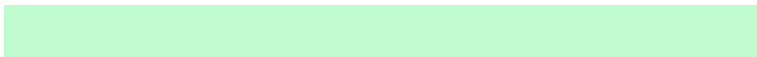
The Sweet Spot groups the original color and five complimentary colors.



68.7042, 77.5284, 101.7872



87.3304, 93.8608, 108.1219



67.1268, 84.0597, 71.4003



18.5562, 19.9806, 23.1286



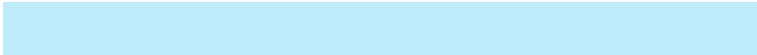
0.0000, 0.0000, 0.0000



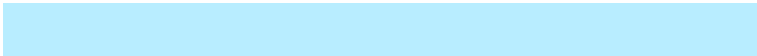
20.3446, 21.4041, 23.3091

Same Dimension

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



68.7042, 77.5284, 101.7872



67.8721, 77.6622, 106.0208



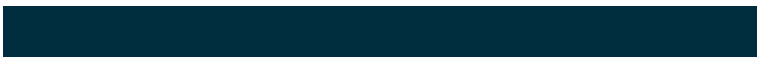
61.1870, 62.4941, 99.2814



17.3637, 18.8043, 22.0997



18.5173, 22.3902, 51.3193



1.8005, 2.2446, 4.7815

Inverse Universe

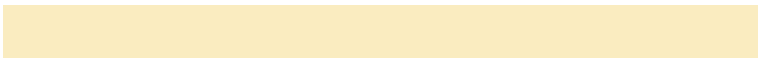
The Inverse Universe completely reimagines the original color for something new.



73.2713, 64.0233, 87.0968



73.5161, 61.4625, 87.7560



78.7919, 83.8347, 61.8998



17.7901, 17.4434, 20.7505



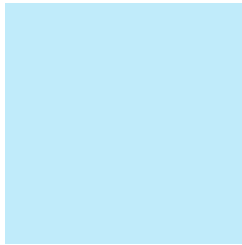
25.6387, 12.6712, 25.8697



2.4177, 1.1908, 2.6231

Previews

White Background



This preview shows how the XYZ color 68.7019, 77.5253, 101.7854 looks on a white background.

Color Contrast Check

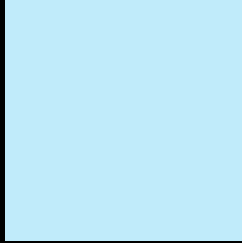
Large Text (above 18pt) WCAG AA × Fail

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 68.7019, 77.5253, 101.7854 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 68.7019, 77.5253, 101.7854

Background



This preview shows how black text looks on a background with the XYZ color 68.7019, 77.5253, 101.7854.

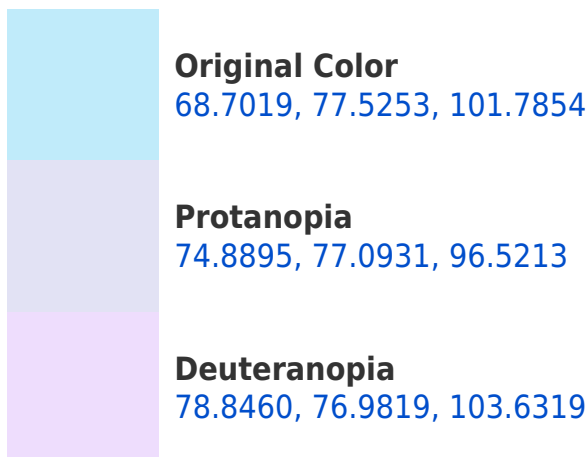


This preview shows how white text looks on a background with the XYZ color 68.7019, 77.5253,

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

69.1448, 77.2749, 104.1997

Trichromacy



Original Color

68.7019, 77.5253, 101.7854

Protanomaly

72.3854, 76.9886, 98.2339

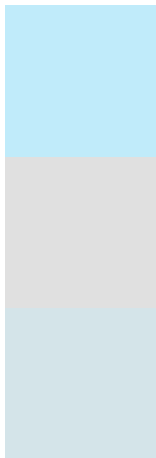
Deuteranomaly

74.5858, 76.7931, 102.9869

Tritanomaly

68.9858, 77.2114, 103.3628

Monochromacy



Original Color

68.7019, 77.5253, 101.7854

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.6028, 75.3670, 87.9696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7019, 77.5253, 101.7854 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(192, 235, 250)` looks like.

```
.text, #text, p{  
    color:rgb(192, 235, 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(192, 235, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 235, 250) }
```

Border

The CSS property to change the border of an element to XYZ 68.7019, 77.5253, 101.7854 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(192, 235, 250) }
```


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

```
.border{ border-color:rgb(192, 235, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 235, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 235, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 235, 250);  
box-shadow:4px 4px 4px 4px rgb(192, 235,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7019, 77.5253, 101.7854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 235, 250) }
```

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

```
.background{ background-color: rgb(192,  
235, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor