

# Converting Colors

XYZ(69.8946, 73.9773,  
101.0384)

Have a look what the booklet for  
XYZ(69.8946, 73.9773, 101.0384)  
contains.

<b>XYZ(69.9127, 74.0180, 101.0446)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(69.9127, 74.0180,  
101.0446)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFE1FA
RGB	207, 225, 250
RGB Percent	81%, 88%, 98%
CMY	0.1882, 0.1176, 0.0196
CMYK	0.17, 0.10, 0.00, 0.02
HSL	215°, 81%, 90%
HSV	215°, 17%, 98%
XYZ	69.9127, 74.0180, 101.0446
YIQ	222.4680, -18.7530, 3.9590

# Conversions

## Conversions Part 2

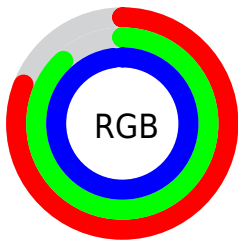
Format	Color
R <sub>Y</sub> B	207, 220, 250
Decimal	13623802
CIE Lab	88.93, -0.94, -14.17
CIE LCh	89, 14.197, 266.191
Yxy	74.0180, 0.2854, 0.3021
Android (android.graphics.Color)	4291813882 (0xFFCFE1FA)
YUV	222.4680, 13.5733, -13.5654
Hunter-Lab	86.0337, -5.5064, -9.4111

# Details

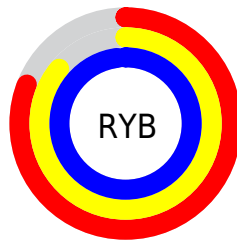
The XYZ color **69.9127, 74.0180, 101.0446** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79.5440, 82.5421, 70.7729**, and the grayscale version is **69.6803, 73.3091, 79.8337**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.0612, 39.3199, 56.6751** is the 20% darker color. If you saturate the color by 10%, you get **59.7107, 63.1740, 99.4904**, and if you desaturate by 10%, it is **81.5595, 86.1071, 102.7654**.

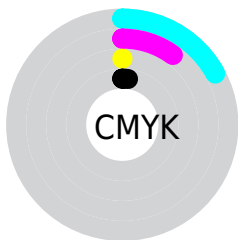
# Distribution



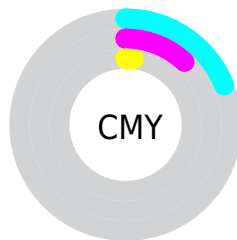
- Red (81%)
- Green (88%)
- Blue (98%)



- Red (81%)
- Yellow (86%)
- Blue (98%)



- Cyan (17%)
- Magenta (10%)
- Yellow (0%)
- Black (2%)



- Cyan (19%)
- Magenta (12%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9127, 74.0180, 101.0446 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 69.9127, 74.0180, 101.0446 by changing the saturation by 10% instead.



■ 69.9127, 74.0180,  
101.0446

■ 69.9127, 74.0180,  
101.0446

449.5146,  
474.5355, 584.8118

■ 51.7347, 54.8088,  
76.5515

118.1112,  
124.9213, 164.6563

■ 37.0171, 39.2486,  
56.3755

148.8624,  
157.3842, 204.6120

■ 25.3944, 26.9532,  
40.0980

184.5354,  
195.0338, 250.5590

■ 16.5015, 17.5381,  
27.3006

225.4956,  
238.2544, 302.9158

■ 9.9728, 10.6189,  
17.5647

272.1082,  
287.4305, 362.1009

■ 5.4430, 5.8112,  
10.4717

324.7387,

■ 2.5469, 2.7306,

342.9464, 428.5330

5.6032

383.7524,  
405.1866, 502.6304

■ 0.9190, 0.9928,  
2.5405

■ 0.0000, 0.0000,  
0.8615

■ 69.9127, 74.0180,  
101.0446

■ 69.9127, 74.0180,  
101.0446

■ 59.7107, 63.1740,  
99.4904

■ 81.5595, 86.1071,  
102.7654

■ 50.8866, 53.5225,  
98.0925

■ 93.9601, 99.0913,  
104.6180

■ 43.3779, 45.0205,  
96.8473

■ 94.2555, 99.6822,  
104.7165

■ 37.1144, 37.6185,  
95.7486

■ 32.0186, 31.2625,  
94.7904

■ 28.0035, 25.8931,  
93.9656

■ 24.9679, 21.4426,  
93.2666

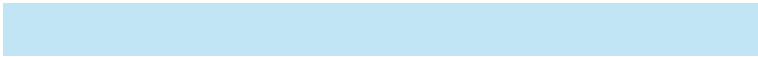
■ 22.7839, 17.8288,  
92.6842

■ 22.2733, 16.9378,  
92.5391

# Harmonies

## Analogous

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



66.7297, 74.0180, 97.4074



69.9127, 74.0180, 101.0446



73.3165, 74.0180, 98.8446

# Triad

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



69.9127, 74.0180, 101.0446



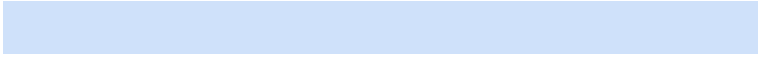
76.4654, 74.0180, 72.5059



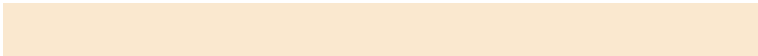
64.9898, 74.0180, 70.4904

# Complementary

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



69.9127, 74.0180, 101.0446



79.5440, 82.5421, 70.7729

# 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.



67.4683, 74.0180, 64.7390



69.9127, 74.0180, 101.0446



74.1028, 74.0180, 65.8343

# Square

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



69.9127, 74.0180, 101.0446



77.1711, 74.0180, 81.8600



70.7929, 74.0180, 63.1059



63.9467, 74.0180, 79.3391



# Rectangle

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



69.9127, 74.0180, 101.0446



75.2417, 74.0180, 94.4533



70.7929, 74.0180, 63.1059



65.6787, 74.0180, 68.1596

# Sweetspot

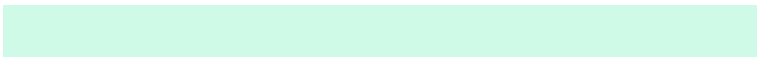
The Sweet Spot groups the original color and five complimentary colors.



69.9149, 74.0210, 101.0463



88.1947, 93.0233, 107.9147



74.3948, 87.4283, 88.8289



18.6779, 19.7068, 23.0693



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

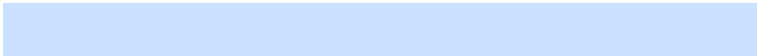


# Same Dimension

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



69.9149, 74.0210, 101.0463



68.8792, 72.9413, 105.0565



66.1101, 65.2116, 99.5464



16.8802, 17.8372, 21.9385



11.9489, 9.2535, 49.1299



1.2088, 1.0613, 4.5843



# Inverse Universe

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



75.3296, 70.3877, 80.8535



75.6686, 68.6182, 79.6849



83.8542, 92.6759, 72.5018



17.5460, 17.3458, 19.4652



22.3233, 11.3450, 8.4109

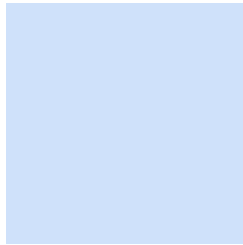


2.1191, 1.0714, 1.0504



# Previews

## White Background



This preview shows how the XYZ color 69.9127, 74.0180, 101.0446 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

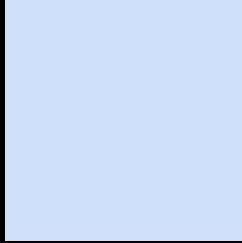
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.9127, 74.0180, 101.0446 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

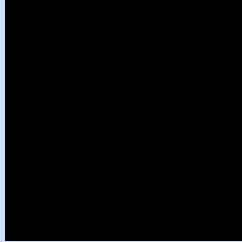
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

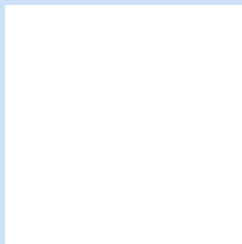
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 69.9127, 74.0180, 101.0446

## Background



This preview shows how black text looks on a background with the XYZ color 69.9127, 74.0180, 101.0446.



This preview shows how white text looks on a background with the XYZ color 69.9127, 74.0180,



# 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

69.9127, 74.0180, 101.0446

### Protanopia

72.3149, 73.7059, 99.2222

### Deuteranopia

75.3385, 73.6429, 102.3392



## Tritanopia

68.9791, 74.0462, 96.2447

# Trichromacy



## Original Color

69.9127, 74.0180, 101.0446

## Protanomaly

71.2445, 73.5292, 100.0601

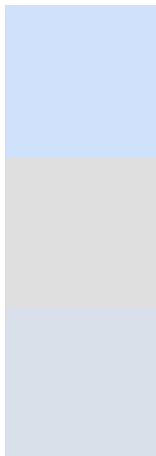
## Deuteranomaly

73.1300, 73.6810, 101.6343

## Tritanomaly

69.2845, 74.1683, 97.8530

# Monochromacy



## Original Color

69.9127, 74.0180, 101.0446

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

69.5684, 73.3533, 86.8359

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.9127, 74.0180, 101.0446 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(207, 225, 250)` looks like.

```
.text, #text, p{  
    color:rgb(207, 225, 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(207, 225, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 225, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 69.9127, 74.0180, 101.0446 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(207, 225, 250) }
```



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

```
.border{ border-color:rgb(207, 225, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 225, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 225, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 225, 250);  
box-shadow:4px 4px 4px 4px rgb(207, 225,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.9127, 74.0180, 101.0446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 225, 250) }
```

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

```
.background{ background-color: rgb(207,  
225, 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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