

# Converting Colors

XYZ(69.7854, 74.4643,  
103.2373)

Have a look what the booklet for  
XYZ(69.7854, 74.4643, 103.2373)  
contains.

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# Color

**XYZ(69.8278, 74.3219,  
103.5938)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CCE2FD
RGB	204, 226, 253
RGB Percent	80%, 89%, 99%
CMY	0.2000, 0.1137, 0.0078
CMYK	0.19, 0.11, 0.00, 0.01
HSL	213°, 92%, 90%
HSV	213°, 19%, 99%
XYZ	69.8278, 74.3219, 103.5938
YIQ	222.5000, -21.7790, 3.7330

# Conversions

## Conversions Part 2

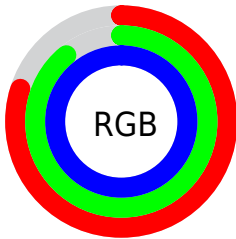
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	204, 219, 253
Decimal	13427453
CIE Lab	89.07, -1.74, -15.54
CIE LCh	89, 15.642, 263.598
Yxy	74.3219, 0.2819, 0.3000
Android (android.graphics.Color)	4291617533 (0xFFCCE2FD)
YUV	222.5000, 15.0365, -16.2245
Hunter-Lab	86.2102, -6.2878, -10.8983

# Details

The XYZ color **69.8278, 74.3219, 103.5938** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **79.9837, 82.3942, 68.8165**, and the grayscale version is **69.6944, 73.3240, 79.8498**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.9211, 39.5009, 57.9030** is the 20% darker color. If you saturate the color by 10%, you get **59.8113, 63.7598, 102.0842**, and if you desaturate by 10%, it is **81.2833, 86.0872, 105.2622**.

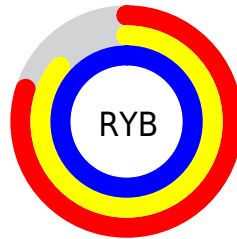
# Distribution



Red (80%)

Green (89%)

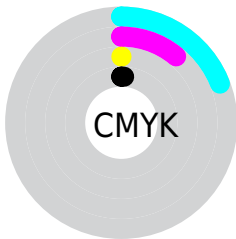
Blue (99%)



Red (80%)

Yellow (86%)

Blue (99%)

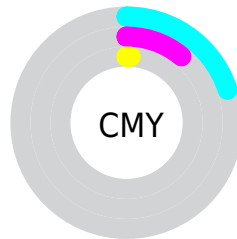


Cyan (19%)

Magenta (11%)

Yellow (0%)

Black (1%)



Cyan (20%)

Magenta (11%)

Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8278, 74.3219, 103.5938 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 69.8278, 74.3219, 103.5938 by changing the saturation by 10% instead.



■ 69.8278, 74.3219,  
103.5938

■ 69.8278, 74.3219,  
103.5938

449.2210,  
475.5836, 592.9991

■ 51.6652, 55.0575,  
78.6717

117.9908,  
125.3520, 168.1820

■ 36.9615, 39.4478,  
58.1062

148.7219,  
157.8866, 208.6851

■ 25.3512, 27.1083,  
41.4788

184.3732,  
195.6133, 255.2191

■ 16.4691, 17.6545,  
28.3709

225.3102,  
238.9166, 308.2023

■ 9.9496, 10.7023,  
18.3639

271.8981,  
288.1809, 368.0534

■ 5.4276, 5.8670,  
11.0394

324.5023,

■ 2.5376, 2.7644,

343.7906, 435.1908

5.9789

383.4881,  
406.1300, 510.0332

■ 0.9142, 1.0100,  
2.7637

■ 0.0000, 0.0000,  
0.9753

■ 69.8278, 74.3219,  
103.5938

■ 69.8278, 74.3219,  
103.5938

■ 59.8113, 63.7598,  
102.0842

■ 81.2833, 86.0872,  
105.2622

■ 51.1656, 54.3490,  
100.7235

■ 94.2289, 99.0866,  
107.0890

■ 43.8265, 46.0473,  
99.5079

■ 94.7299, 99.8719,  
107.2142

■ 37.7217, 38.8057,  
98.4319

■ 32.7711, 32.5707,  
97.4893

■ 28.8842, 27.2828,  
96.6735

■ 25.9543, 22.8738,  
95.9769

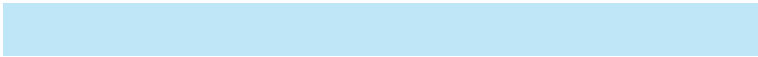
■ 23.8224, 19.2473,  
95.3893

■ 23.7028, 19.0378,  
95.3552

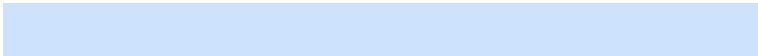
# Harmonies

## Analogous

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



66.3856, 74.3219, 98.9955



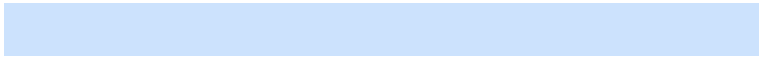
69.8278, 74.3219, 103.5938



73.6115, 74.3219, 101.6929

# Triad

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



69.8278, 74.3219, 103.5938



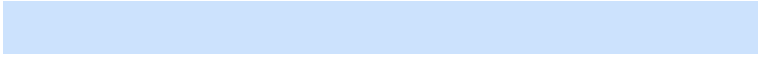
77.5625, 74.3219, 72.8190



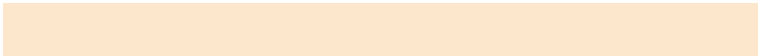
64.9118, 74.3219, 69.1107

# Complementary

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



69.8278, 74.3219, 103.5938



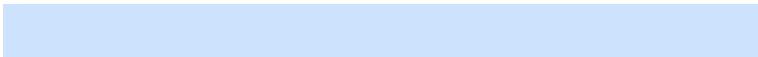
79.9837, 82.3942, 68.8165

# Split Complementary

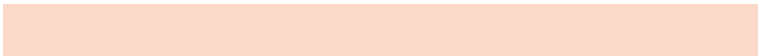
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.7510, 74.3219, 63.1947



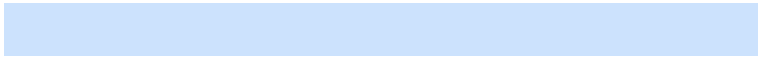
69.8278, 74.3219, 103.5938



75.0740, 74.3219, 65.1974

# Square

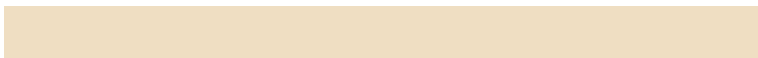
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.8278, 74.3219, 103.5938



78.1669, 74.3219, 83.2837



71.4600, 74.3219, 61.8289

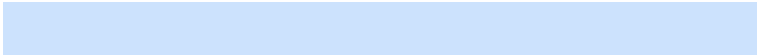


63.6138, 74.3219, 78.6092



# Rectangle

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



69.8278, 74.3219, 103.5938



75.8093, 74.3219, 97.0734



71.4600, 74.3219, 61.8289



65.7126, 74.3219, 66.6729

# Sweetspot

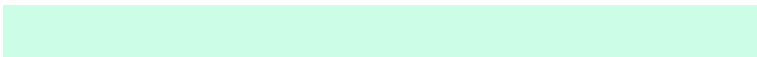
The Sweet Spot groups the original color and five complimentary colors.



69.8300, 74.3249, 103.5955



87.0129, 91.9517, 107.7701



74.4453, 88.8561, 88.7930



18.4443, 19.4999, 23.0417



0.0000, 0.0000, 0.0000

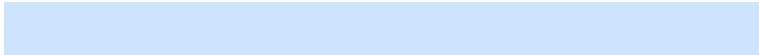


20.3446, 21.4041, 23.3091

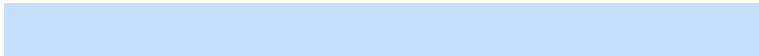


# Same Dimension

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



69.8300, 74.3249, 103.5955



67.2099, 71.6103, 104.8876



64.9028, 63.4656, 101.7591



17.6746, 18.7208, 22.9319



12.7495, 10.4086, 50.7717



1.3486, 1.2278, 4.9792



# Inverse Universe

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



75.8302, 69.5612, 81.3848



74.3359, 66.2087, 78.4517



85.6474, 95.0373, 70.9583



18.3484, 18.1227, 20.4518



23.2236, 11.7787, 9.8277

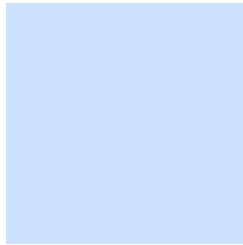


2.3153, 1.1685, 1.2418



# Previews

## White Background



This preview shows how the XYZ color 69.8278, 74.3219, 103.5938 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

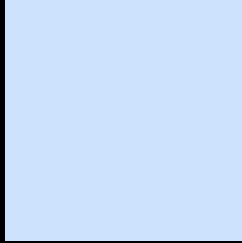
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.8278, 74.3219, 103.5938 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

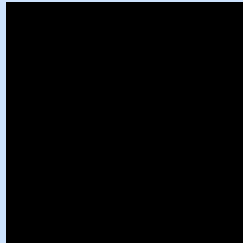
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

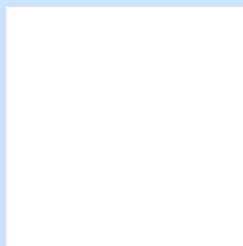
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 69.8278, 74.3219, 103.5938

## Background



This preview shows how black text looks on a background with the XYZ color 69.8278, 74.3219, 103.5938.



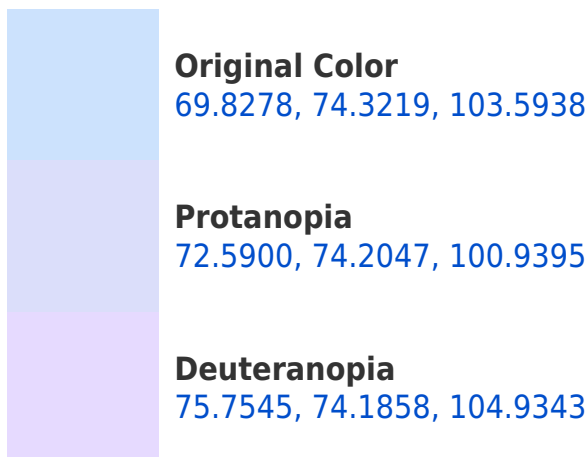
This preview shows how white text looks on a background with the XYZ color 69.8278, 74.3219,



# 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

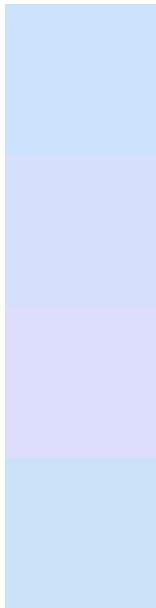




## Tritanopia

68.5791, 74.2273, 97.0990

# Trichromacy



## Original Color

69.8278, 74.3219, 103.5938

## Protanomaly

71.5318, 74.0365, 101.7871

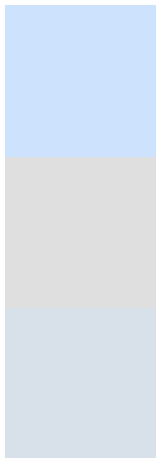
## Deuteranomaly

73.5646, 74.2408, 104.2186

## Tritanomaly

69.0410, 74.4120, 99.5310

# Monochromacy



## Original Color

69.8278, 74.3219, 103.5938

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

69.8258, 73.8508, 88.4163

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.8278, 74.3219, 103.5938 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(204, 226, 253)` looks like.

```
.text, #text, p{  
    color:rgb(204, 226, 253)  
}
```

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(204, 226, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 226, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 69.8278, 74.3219, 103.5938 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(204, 226, 253) }
```



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

```
.border{ border-color:rgb(204, 226, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 226, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 226, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 226, 253);  
box-shadow:4px 4px 4px 4px rgb(204, 226,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.8278, 74.3219, 103.5938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 226, 253) }
```

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

```
.background{ background-color: rgb(204,  
226, 253) }
```

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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