

# Converting Colors

XYZ(72.0018, 77.9403,  
103.7670)

Have a look what the booklet for  
XYZ(72.0018, 77.9403, 103.7670)  
contains.

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# Color

**XYZ(72.0398, 77.9269,  
104.1730)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEE8FD
RGB	206, 232, 253
RGB Percent	81%, 91%, 99%
CMY	0.1921, 0.0902, 0.0078
CMYK	0.19, 0.08, 0.00, 0.01
HSL	207°, 92%, 90%
HSV	207°, 19%, 99%
XYZ	72.0398, 77.9269, 104.1730
YIQ	226.6200, -22.2370, 1.0190

# Conversions

## Conversions Part 2

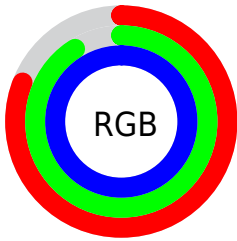
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 223, 253
Decimal	13560061
CIE Lab	90.75, -4.24, -13.03
CIE LCh	91, 13.699, 251.984
Yxy	77.9269, 0.2835, 0.3066
Android (android.graphics.Color)	4291750141 (0xFFCEE8FD)
YUV	226.6200, 13.0053, -18.0837
Hunter-Lab	88.2762, -8.8144, -8.1736

# Details

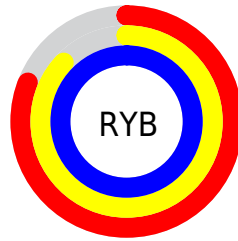
The XYZ color **72.0398, 77.9269, 104.1730** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.1183, 80.2769, 69.7191**, and the grayscale version is **72.6598, 76.4437, 83.2472**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.2516, 41.6155, 58.2411** is the 20% darker color. If you saturate the color by 10%, you get **62.4941, 68.4355, 102.8454**, and if you desaturate by 10%, it is **82.9253, 88.4167, 105.6253**.

# Distribution



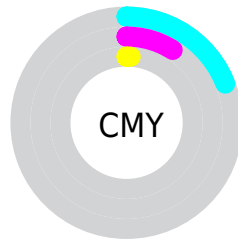
- Red (81%)
- Green (91%)
- Blue (99%)



- Red (81%)
- Yellow (87%)
- Blue (99%)



- Cyan (19%)
- Magenta (8%)
- Yellow (0%)
- Black (1%)



- Cyan (19%)
- Magenta (9%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.0398, 77.9269, 104.1730 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 72.0398, 77.9269, 104.1730 by changing the saturation by 10% instead.



■ 72.0398, 77.9269,  
104.1730

■ 72.0398, 77.9269,  
104.1730

456.8356,  
487.9185, 594.8510

■ 53.4768, 58.0139,  
79.1539

121.1236,  
130.4471, 168.9818

■ 38.4125, 41.8198,  
58.5003

152.3751,  
163.8231, 209.6086

■ 26.4817, 28.9603,  
41.7936

188.5868,  
202.4555, 256.2751

■ 17.3189, 19.0508,  
28.6154

230.1240,  
246.7288, 309.3997

■ 10.5588, 11.7070,  
18.5470

277.3522,  
297.0274, 369.4011

■ 5.8361, 6.5445,  
11.1699

330.6366,

■ 2.7854, 3.1789,

353.7356, 436.6977

6.0656

390.3426,  
417.2378, 511.7082

■ 1.0413, 1.2258,  
2.8156

■ 0.0000, 0.0826,  
1.0013

■ 72.0398, 77.9269,  
104.1730

■ 72.0398, 77.9269,  
104.1730

■ 62.4941, 68.4355,  
102.8454

■ 82.9253, 88.4167,  
105.6253

■ 54.2234, 59.8976,  
101.6333

94.6057, 99.6236,  
107.1728

■ 47.1676, 52.2783,  
100.5345

94.7299, 99.8719,  
107.2142

■ 41.2590, 45.5366,  
99.5446

■ 36.4220, 39.6274,  
98.6590

■ 32.5713, 34.5003,  
97.8723

■ 29.6063, 30.0969,  
97.1786

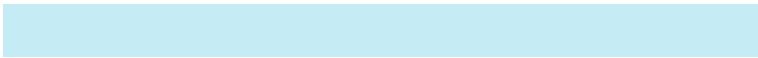
■ 27.3860, 26.3374,  
96.5700

■ 27.1042, 25.8406,  
96.4890

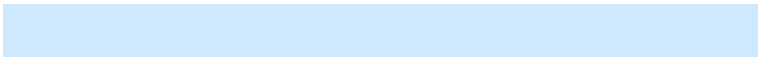
# Harmonies

## Analogous

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



69.2574, 77.9269, 98.1650



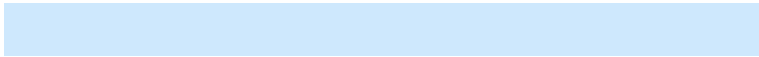
72.0398, 77.9269, 104.1730



75.4494, 77.9269, 104.7658

# Triad

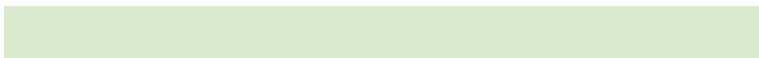
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.0398, 77.9269, 104.1730



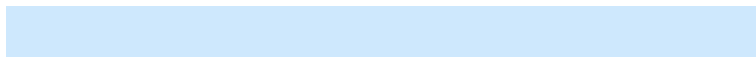
80.7292, 77.9269, 80.9754



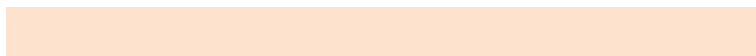
69.7292, 77.9269, 71.5299

# Complementary

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



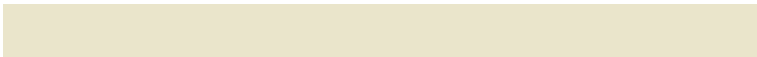
72.0398, 77.9269, 104.1730



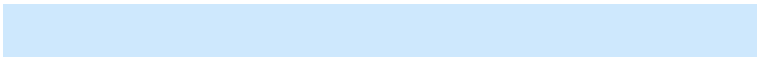
79.1183, 80.2769, 69.7191

# Split Complementary

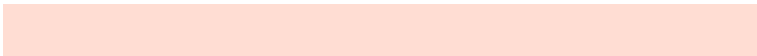
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.7019, 77.9269, 67.6316



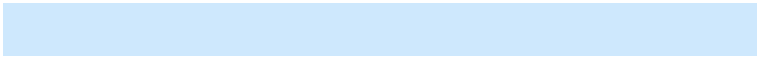
72.0398, 77.9269, 104.1730



79.0946, 77.9269, 72.7955

# Square

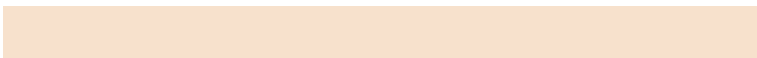
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.0398, 77.9269, 104.1730



80.5385, 77.9269, 90.8452



76.1322, 77.9269, 68.0762

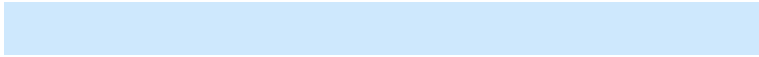


67.9522, 77.9269, 79.1230



# Rectangle

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



72.0398, 77.9269, 104.1730



77.6270, 77.9269, 101.9562



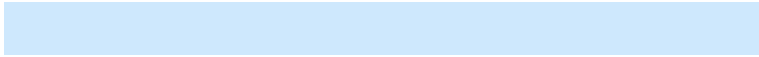
76.1322, 77.9269, 68.0762



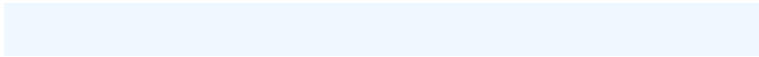
70.6179, 77.9269, 69.7714

# Sweetspot

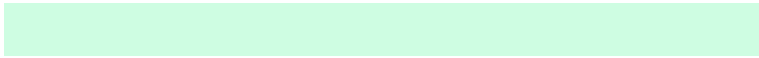
The Sweet Spot groups the original color and five complimentary colors.



72.0421, 77.9301, 104.1748



87.5015, 92.9290, 107.9330



74.3582, 88.8849, 85.4545



18.5597, 19.7308, 23.0802



0.0000, 0.0000, 0.0000

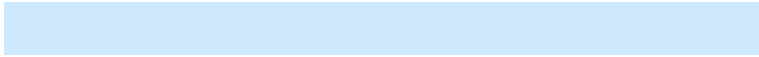


20.3446, 21.4041, 23.3091

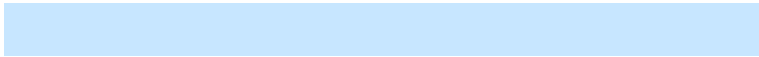


# Same Dimension

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



72.0421, 77.9301, 104.1748



69.8561, 75.9074, 105.5775



66.0179, 65.8816, 102.1667



17.8363, 19.0443, 22.9858



14.5660, 14.0416, 51.3772



1.5273, 1.5853, 5.0388



# Inverse Universe

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



77.1466, 70.8532, 85.9576



75.9146, 67.7705, 83.8969



85.7941, 93.6286, 71.9444



18.4300, 18.1553, 20.8817



24.1404, 12.1455, 14.6559

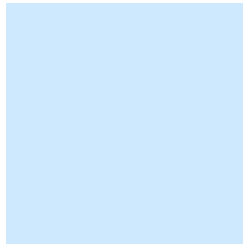


2.4055, 1.2046, 1.7169



# Previews

## White Background



This preview shows how the XYZ color 72.0398, 77.9269, 104.1730 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

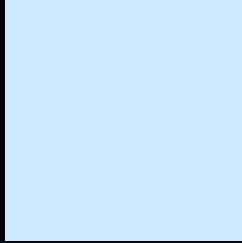
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.0398, 77.9269, 104.1730 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

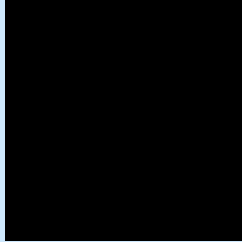
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

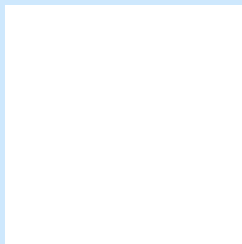
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 72.0398, 77.9269, 104.1730

## Background



This preview shows how black text looks on a background with the XYZ color 72.0398, 77.9269, 104.1730.



This preview shows how white text looks on a background with the XYZ color 72.0398, 77.9269,



# 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

72.0398, 77.9269, 104.1730

### Protanopia

76.0884, 78.0090, 101.4894

### Deuteranopia

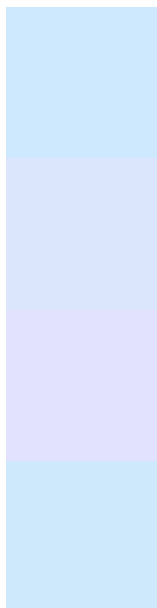
79.4312, 77.6397, 105.4072



## **Tritanopia**

71.7228, 77.8001, 102.5035

# Trichromacy



## Original Color

72.0398, 77.9269, 104.1730

## Protanomaly

74.6453, 78.0637, 102.4004

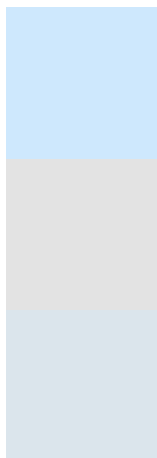
## Deuteranomaly

76.4498, 77.7172, 104.7375

## Tritanomaly

71.8809, 77.8633, 103.3361

# Monochromacy



## Original Color

72.0398, 77.9269, 104.1730

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

72.3731, 77.1548, 90.4348

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.0398, 77.9269, 104.1730 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(206, 232, 253)` looks like.

```
.text, #text, p{  
    color:rgb(206, 232, 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(206, 232, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 232, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 72.0398, 77.9269, 104.1730 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(206, 232, 253) }
```



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

```
.border{ border-color:rgb(206, 232, 253) }
```

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

Here you see how a box with a 4 pixel rgb(206, 232, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 232, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 232, 253);  
box-shadow:4px 4px 4px 4px rgb(206, 232,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.0398, 77.9269, 104.1730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 232, 253) }
```

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

```
.background{ background-color: rgb(206,  
232, 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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