

# Converting Colors

XYZ(72.5240, 76.3034,  
101.9703)

Have a look what the booklet for  
XYZ(72.5240, 76.3034, 101.9703)  
contains.

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# **Color**

**XYZ(72.3222, 76.0493,  
102.1340)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5E3FB
RGB	213, 227, 251
RGB Percent	84%, 89%, 98%
CMY	0.1647, 0.1098, 0.0157
CMYK	0.15, 0.10, 0.00, 0.02
HSL	218°, 83%, 91%
HSV	218°, 15%, 98%
XYZ	72.3222, 76.0493, 102.1340
YIQ	225.5500, -16.0480, 4.4960

# Conversions

## Conversions Part 2

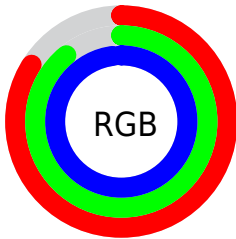
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	213, 223, 251
Decimal	14017531
CIE Lab	89.88, 0.08, -13.22
CIE LCh	90, 13.224, 270.361
Yxy	76.0493, 0.2887, 0.3036
Android (android.graphics.Color)	4292207611 (0xFFD5E3FB)
YUV	225.5500, 12.5469, -11.0063
Hunter-Lab	87.2062, -4.5767, -8.3947

# Details

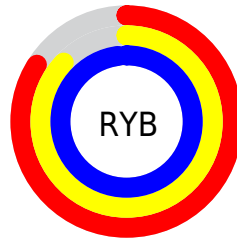
The XYZ color **72.3222, 76.0493, 102.1340** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **82.0786, 85.8814, 75.2031**, and the grayscale version is **71.8864, 75.6301, 82.3612**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.5907, 40.6692, 56.8549** is the 20% darker color. If you saturate the color by 10%, you get **61.4603, 64.3092, 100.4416**, and if you desaturate by 10%, it is **84.7145, 89.1748, 104.0156**.

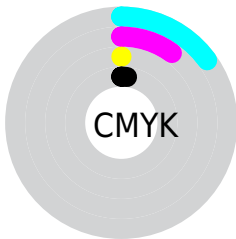
# Distribution



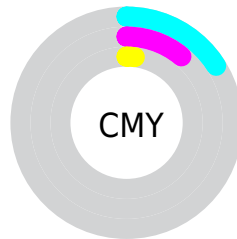
- Red (84%)
- Green (89%)
- Blue (98%)



- Red (84%)
- Yellow (87%)
- Blue (98%)



- Cyan (15%)
- Magenta (10%)
- Yellow (0%)
- Black (2%)



- Cyan (16%)
- Magenta (11%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.3222, 76.0493, 102.1340 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 72.3222, 76.0493, 102.1340 by changing the saturation by 10% instead.



■ 72.3222, 76.0493,  
102.1340

■ 72.3222, 76.0493,  
102.1340

457.8025,  
481.5164, 588.3180

■ 53.7083, 56.4729,  
77.4571

121.5228,  
127.7966, 166.1641

■ 38.5983, 40.5822,  
57.1143

152.8403,  
160.7363, 206.3544

■ 26.6267, 27.9928,  
40.6871

189.1230,  
198.8993, 252.5529

■ 17.4282, 18.3202,  
27.7568

230.7363,  
242.6699, 305.1783

■ 10.6374, 11.1801,  
17.9050

278.0455,  
292.4325, 364.6489

■ 5.8891, 6.1881,  
10.7130

331.4161,

■ 2.8178, 2.9598,

348.5715, 431.3834

5.7625

391.2133,  
411.4714, 505.8002

■ 1.0581, 1.1108,  
2.6348

■ 0.0000, 0.0000,  
0.9103

■ 72.3222, 76.0493,  
102.1340

■ 72.3222, 76.0493,  
102.1340

■ 61.4603, 64.3092,  
100.4416

■ 84.7145, 89.1748,  
104.0156

■ 52.0597, 53.8970,  
98.9273

■ 94.4128, 99.7451,  
105.5447

■ 44.0557, 44.7649,  
97.5865

■ 37.3760, 36.8580,  
96.4124

■ 31.9412, 30.1173,  
95.3978

■ 27.6624, 24.4777,  
94.5347

■ 24.4377, 19.8662,  
93.8146

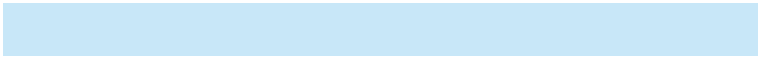
■ 22.1435, 16.1972,  
93.2273

■ 21.2829, 14.7052,  
92.9847

# Harmonies

## Analogous

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



69.2196, 76.0493, 99.4504



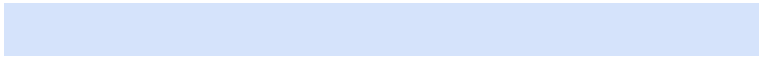
72.3222, 76.0493, 102.1340



75.5052, 76.0493, 99.3223

# Triad

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



72.3222, 76.0493, 102.1340



77.8408, 76.0493, 74.0383



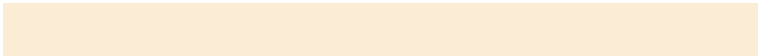
66.9578, 76.0493, 74.2208

# Complementary

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



72.3222, 76.0493, 102.1340



82.0786, 85.8814, 75.2031

# Split Complementary

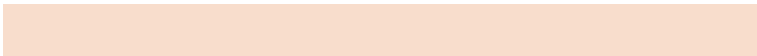
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.1530, 76.0493, 68.2282



72.3222, 76.0493, 102.1340



75.4346, 76.0493, 68.1285

# Square

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



72.3222, 76.0493, 102.1340



78.7495, 76.0493, 82.6914



72.2430, 76.0493, 66.0824



66.1798, 76.0493, 82.9183



# Rectangle

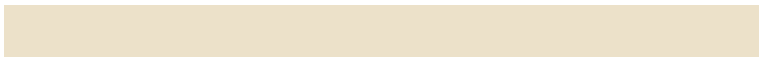
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.3222, 76.0493, 102.1340



77.2299, 76.0493, 94.8230



72.2430, 76.0493, 66.0824



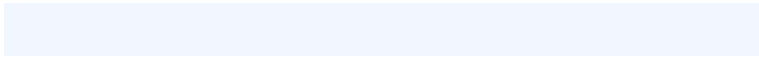
67.5511, 76.0493, 71.8475

# Sweetspot

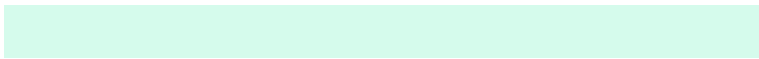
The Sweet Spot groups the original color and five complimentary colors.



72.3245, 76.0524, 102.1357



87.9988, 92.6315, 107.8494



77.1425, 89.2232, 92.8447



18.6303, 19.6117, 23.0535



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.



72.3245, 76.0524, 102.1357



71.5730, 75.1903, 105.3486



69.9525, 69.3733, 100.9715



16.8068, 17.6905, 21.9141



11.3140, 7.9835, 48.9182



1.1453, 0.9342, 4.5631



# Inverse Universe

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



77.4448, 73.6455, 82.8098



77.7944, 72.4018, 81.8363



84.7139, 93.4953, 76.5338



17.5090, 17.3310, 19.2703



22.0028, 11.2168, 6.7232

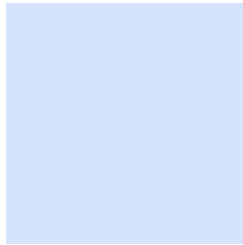


2.0870, 1.0585, 0.8816



# Previews

## White Background



This preview shows how the XYZ color 72.3222, 76.0493, 102.1340 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

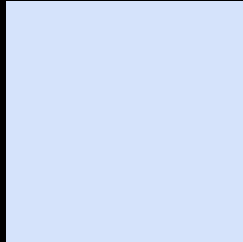
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.3222, 76.0493, 102.1340 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

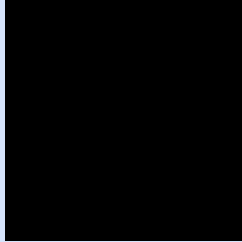
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

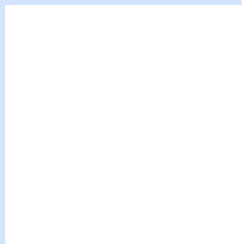
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 72.3222, 76.0493, 102.1340

## Background



This preview shows how black text looks on a background with the XYZ color 72.3222, 76.0493, 102.1340.



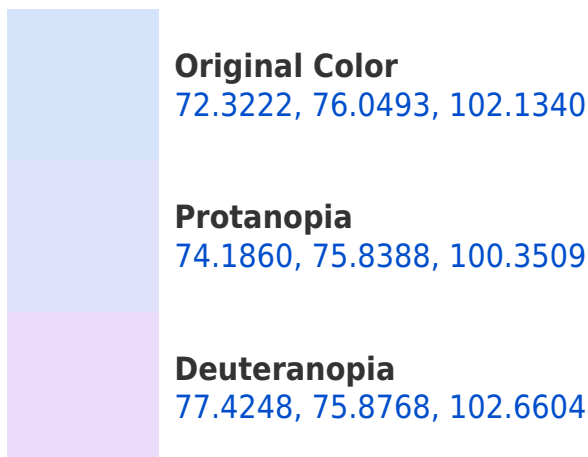
This preview shows how white text looks on a background with the XYZ color 72.3222, 76.0493,



# 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

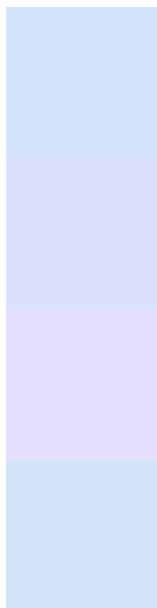




## Tritanopia

71.5293, 76.1377, 98.1148

# Trichromacy



## Original Color

72.3222, 76.0493, 102.1340

## Protanomaly

73.3939, 75.8126, 101.2075

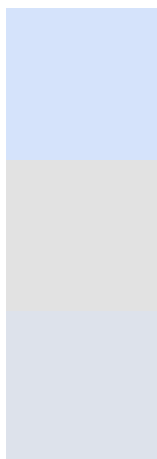
## Deuteranomaly

75.6369, 76.1345, 102.8044

## Tritanomaly

71.8381, 76.2612, 99.7405

# Monochromacy



## Original Color

72.3222, 76.0493, 102.1340

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

72.0105, 75.7630, 89.4256

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.3222, 76.0493, 102.1340 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(213, 227, 251)` looks like.

```
.text, #text, p{  
    color:rgb(213, 227, 251)  
}
```

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(213, 227, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 227, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 72.3222, 76.0493, 102.1340 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(213, 227, 251) }
```



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

```
.border{ border-color:rgb(213, 227, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 227, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 227, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 227, 251);  
box-shadow:4px 4px 4px 4px rgb(213, 227,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.3222, 76.0493, 102.1340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 227, 251) }
```

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

```
.background{ background-color: rgb(213,  
227, 251) }
```

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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