

# Converting Colors

XYZ(72.8994, 76.7271,  
105.5753)

Have a look what the booklet for  
XYZ(72.8994, 76.7271, 105.5753)  
contains.

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# **Color**

**XYZ(72.9448, 76.7039,  
105.5685)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4E4FF
RGB	212, 228, 255
RGB Percent	83%, 89%, 100%
CMY	0.1686, 0.1059, 0.0000
CMYK	0.17, 0.11, 0.00, 0.00
HSL	218°, 100%, 92%
HSV	218°, 17%, 100%
XYZ	72.9448, 76.7039, 105.5685
YIQ	226.2940, -18.2030, 5.0050

# Conversions

## Conversions Part 2

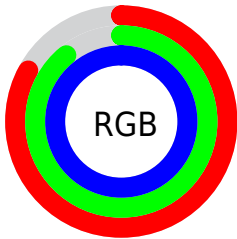
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 224, 255
Decimal	13952255
CIE Lab	90.19, 0.08, -14.87
CIE LCh	90, 14.872, 270.323
Yxy	76.7039, 0.2858, 0.3005
Android (android.graphics.Color)	4292142335 (0xFFD4E4FF)
YUV	226.2940, 14.1521, -12.5358
Hunter-Lab	87.5808, -4.5962, -10.1607

# Details

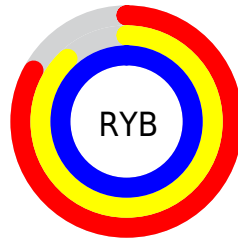
The XYZ color **72.9448, 76.7039, 105.5685** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.9898, 87.7451, 74.7988**, and the grayscale version is **72.4135, 76.1846, 82.9650**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.0412, 41.1325, 59.3077** is the 20% darker color. If you saturate the color by 10%, you get **61.9643, 64.8068, 103.8508**, and if you desaturate by 10%, it is **85.4982, 90.0213, 107.4774**.

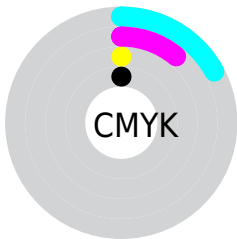
# Distribution



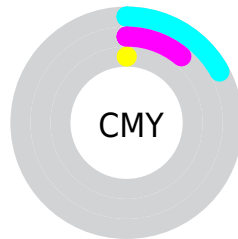
- Red (83%)
- Green (89%)
- Blue (100%)



- Red (83%)
- Yellow (88%)
- Blue (100%)



- Cyan (17%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (11%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.9448, 76.7039, 105.5685 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 72.9448, 76.7039, 105.5685 by changing the saturation by 10% instead.



■ 72.9448, 76.7039,  
105.5685

■ 72.9448, 76.7039,  
105.5685

459.9302,  
483.7539, 599.3006

■ 54.2190, 57.0099,  
80.3164

122.4024,  
128.7214, 170.9071

■ 39.0082, 41.0132,  
59.4511

153.8650,  
161.8137, 211.8307

■ 26.9468, 28.3294,  
42.5539

190.3038,  
200.1409, 258.8153

■ 17.6697, 18.5741,  
29.2065

232.0843,  
244.0874, 312.2792

■ 10.8113, 11.3629,  
18.9901

279.5719,  
294.0375, 372.6412

■ 6.0065, 6.3115,  
11.4864

333.1318,

■ 2.8897, 3.0354,

350.3757, 440.3197

6.2767

393.1295,  
413.4864, 515.7333

■ 1.0957, 1.1502,  
2.9426

■ 0.0215, 0.0205,  
1.0654

■ 72.9448, 76.7039,  
105.5685

■ 72.9448, 76.7039,  
105.5685

■ 61.9643, 64.8068,  
103.8508

■ 85.4982, 90.0213,  
107.4774

■ 52.4852, 54.2708,  
102.3168

95.0500, 100.0000,  
108.9000

■ 44.4392, 45.0456,  
100.9602

■ 37.7502, 37.0741,  
99.7741

■ 32.3345, 30.2944,  
98.7509

■ 28.0979, 24.6381,  
97.8825

■ 24.9316, 20.0281,  
97.1595

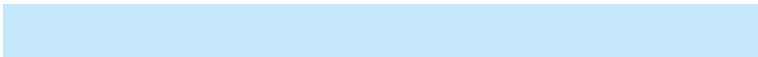
■ 22.7005, 16.3722,  
96.5714

■ 22.1336, 15.3871,  
96.4112

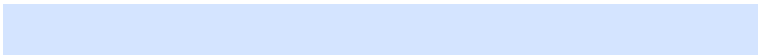
# Harmonies

## Analogous

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



69.4424, 76.7039, 102.4784



72.9448, 76.7039, 105.5685



76.5519, 76.7039, 102.3470

# Triad

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



72.9448, 76.7039, 105.5685



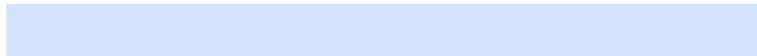
79.2129, 76.7039, 73.6574



66.9029, 76.7039, 73.8402

# Complementary

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



72.9448, 76.7039, 105.5685



83.9898, 87.7451, 74.7988

# Split Complementary

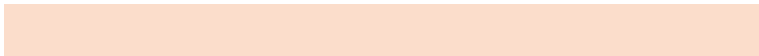
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.3753, 76.7039, 67.1518



72.9448, 76.7039, 105.5685



76.4803, 76.7039, 67.0527

# Square

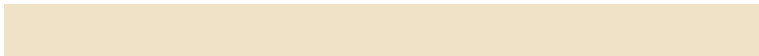
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.9448, 76.7039, 105.5685



80.2448, 76.7039, 83.4029



72.8647, 76.7039, 64.7731



66.0265, 76.7039, 83.6322



# Rectangle

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



72.9448, 76.7039, 105.5685



78.5124, 76.7039, 97.1979



72.8647, 76.7039, 64.7731



67.5707, 76.7039, 71.1851

# Sweetspot

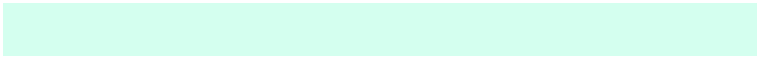
The Sweet Spot groups the original color and five complimentary colors.



72.9469, 76.7070, 105.5690



88.0131, 92.6601, 107.8541



78.4209, 91.7209, 94.8589



18.6338, 19.6186, 23.0546



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.



72.9469, 76.7070, 105.5690



69.3344, 72.8225, 105.0096



70.2150, 69.0628, 104.2375



17.5568, 18.4851, 22.8926



11.6961, 8.3018, 50.4205



1.2393, 1.0094, 4.9428



# Inverse Universe

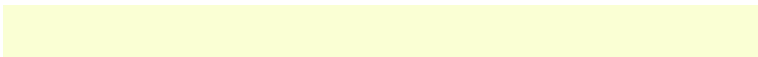
The Inverse Universe completely reimagines the original color for something new.



78.7884, 73.9499, 83.5236



76.1496, 69.7724, 79.2524



87.0625, 96.5946, 76.3449



18.2889, 18.0989, 20.1386



22.6918, 11.5660, 7.0277

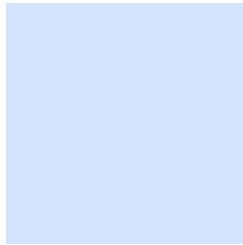


2.2602, 1.1464, 0.9514



# Previews

## White Background



This preview shows how the XYZ color 72.9448, 76.7039, 105.5685 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

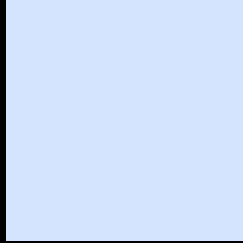
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.9448, 76.7039, 105.5685 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

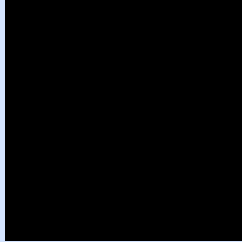
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 72.9448, 76.7039, 105.5685

## Background



This preview shows how black text looks on a background with the XYZ color 72.9448, 76.7039, 105.5685.



This preview shows how white text looks on a background with the XYZ color 72.9448, 76.7039,



# 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

72.9448, 76.7039, 105.5685

### Protanopia

75.0863, 76.6303, 103.7622

### Deuteranopia

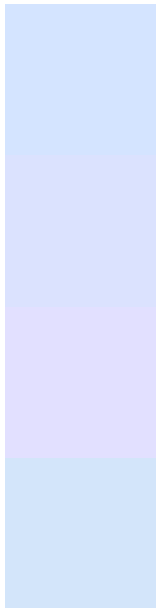
77.8381, 76.4253, 105.2568



## Tritanopia

71.6718, 76.6029, 99.0040

# Trichromacy



## Original Color

72.9448, 76.7039, 105.5685

## Protanomaly

74.2992, 76.6085, 104.6369

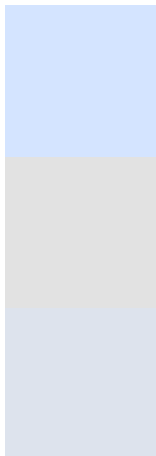
## Deuteranomaly

76.0697, 76.7001, 105.4030

## Tritanomaly

72.1386, 76.7896, 101.4623

# Monochromacy



## Original Color

72.9448, 76.7039, 105.5685

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

72.5739, 76.4247, 91.0472

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.9448, 76.7039, 105.5685 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(212, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 228, 255)  
}
```

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(212, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 228, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 72.9448, 76.7039, 105.5685 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(212, 228, 255) }
```



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

```
.border{ border-color:rgb(212, 228, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 228,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.9448, 76.7039, 105.5685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 228, 255) }
```

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

```
.background{ background-color: rgb(212,  
228, 255) }
```

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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