

# Converting Colors

XYZ(81.7273, 78.2837,  
152.9274)

Have a look what the booklet for  
XYZ(81.7273, 78.2837, 152.9274)  
contains.

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# Color

**XYZ(72.4620, 74.4424,  
105.1574)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7DFFF
RGB	215, 223, 255
RGB Percent	84%, 87%, 100%
CMY	0.1569, 0.1255, 0.0000
CMYK	0.16, 0.13, 0.00, 0.00
HSL	228°, 100%, 92%
HSV	228°, 16%, 100%
XYZ	72.4620, 74.4424, 105.1574
YIQ	224.2560, -15.0400, 8.2560

# Conversions

## Conversions Part 2

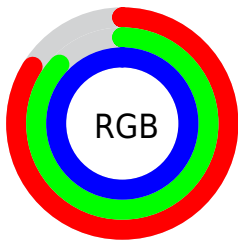
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	215, 222, 255
Decimal	14147583
CIE Lab	89.13, 3.61, -16.43
CIE LCh	89, 16.825, 282.406
Yxy	74.4424, 0.2875, 0.2953
Android (android.graphics.Color)	4292337663 (0xFFD7DFFF)
YUV	224.2560, 15.1568, -8.1175
Hunter-Lab	86.2800, -1.0773, -11.8662

# Details

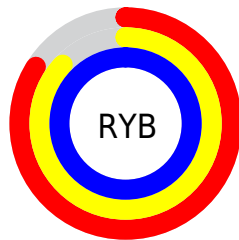
The XYZ color **72.4620, 74.4424, 105.1574** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.7661, 92.6865, 77.6089**, and the grayscale version is **70.9390, 74.6334, 81.2757**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.6929, 39.5561, 59.0218** is the 20% darker color. If you saturate the color by 10%, you get **60.4243, 60.6295, 103.1257**, and if you desaturate by 10%, it is **86.3274, 90.1760, 107.4635**.

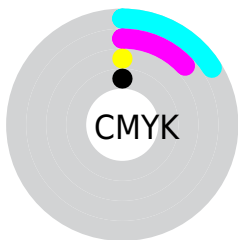
# Distribution



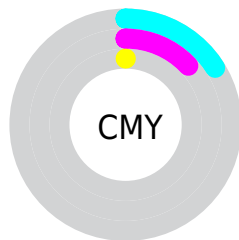
- Red (84%)
- Green (87%)
- Blue (100%)



- Red (84%)
- Yellow (87%)
- Blue (100%)



- Cyan (16%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (13%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.4620, 74.4424, 105.1574 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 72.4620, 74.4424, 105.1574 by changing the saturation by 10% instead.



72.4620, 74.4424,  
105.1574

72.4620, 74.4424,  
105.1574

458.2808,  
475.9988, 597.9916

53.8230, 55.1562,  
79.9738

121.7204,  
125.5227, 170.3402

38.6903, 39.5268,  
59.1708

153.0705,  
158.0857, 211.1766

26.6985, 27.1698,  
42.3297

189.3883,  
195.8430, 258.0676

17.4823, 17.7008,  
29.0320

231.0392,  
239.1790, 311.4318

10.6764, 10.7354,  
18.8593

278.3885,  
288.4783, 371.6877

5.9154, 5.8892,  
11.3929

331.8017,

2.8339, 2.7778,

344.1250, 439.2540

6.2142

391.6440,  
406.5038, 514.5491

■ 1.0665, 1.0169,  
2.9049

■ 0.0000, 0.0000,  
1.0463

■ 72.4620, 74.4424,  
105.1574

■ 72.4620, 74.4424,  
105.1574

■ 60.4243, 60.6295,  
103.1257

■ 86.3274, 90.1760,  
107.4635

■ 50.1310, 48.6541,  
101.3567

95.0500, 100.0000,  
108.9000

■ 41.5015, 38.4401,  
99.8401

■ 34.4461, 29.9024,  
98.5640

■ 28.8666, 22.9486,  
97.5158

■ 24.6532, 17.4771,  
96.6818

■ 21.6798, 13.3734,  
96.0464

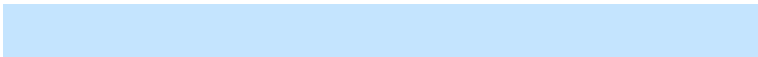
■ 19.7945, 10.5040,  
95.5919

■ 19.2346, 9.5892,  
95.4449

# Harmonies

## Analogous

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



68.3998, 74.4424, 104.5298



72.4620, 74.4424, 105.1574



76.2043, 74.4424, 98.8891

# Triad

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



72.4620, 74.4424, 105.1574



76.7354, 74.4424, 66.7667



63.5056, 74.4424, 74.4224

# Complementary

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



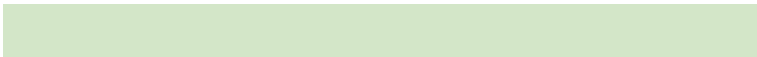
72.4620, 74.4424, 105.1574



86.7661, 92.6865, 77.6089

# Split Complementary

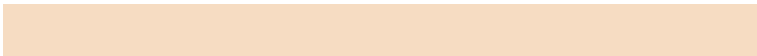
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



65.5724, 74.4424, 65.5055



72.4620, 74.4424, 105.1574



73.1642, 74.4424, 61.3877

# Square

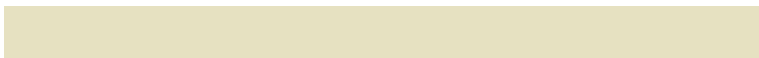
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.4620, 74.4424, 105.1574



78.7347, 74.4424, 76.3020



69.0755, 74.4424, 60.9495



63.3340, 74.4424, 86.0016



# Rectangle

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



72.4620, 74.4424, 105.1574



77.9722, 74.4424, 91.9657



69.0755, 74.4424, 60.9495



63.9980, 74.4424, 71.0435

# Sweetspot

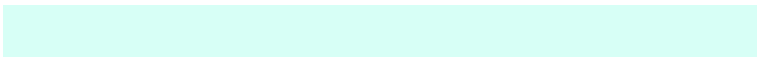
The Sweet Spot groups the original color and five complimentary colors.



72.4640, 74.4454, 105.1579



87.3460, 91.3259, 107.6318



80.4709, 92.6418, 101.0981



18.4721, 19.2952, 23.0007



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.



72.4640, 74.4454, 105.1579



68.2749, 69.6572, 104.4545



73.8203, 72.0451, 104.6231



17.2972, 17.9661, 22.8061



10.1331, 5.1757, 49.8995



1.0591, 0.6489, 4.8827



# Inverse Universe

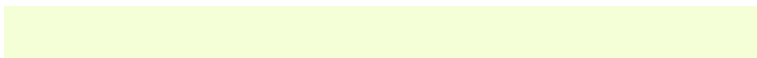
The Inverse Universe completely reimagines the original color for something new.



78.8610, 75.1901, 80.1722



75.8701, 70.6384, 74.7667



85.2190, 95.6001, 78.2528



18.1579, 18.0465, 19.4488



21.9029, 11.2505, 2.8732

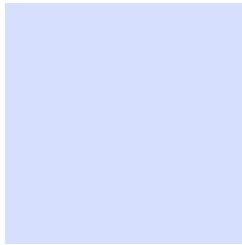


2.1692, 1.1101, 0.4725



# Previews

## White Background



This preview shows how the XYZ color 72.4620, 74.4424, 105.1574 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

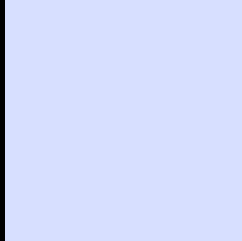
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.4620, 74.4424, 105.1574 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

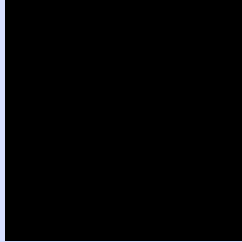
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 72.4620, 74.4424, 105.1574

## Background



This preview shows how black text looks on a background with the XYZ color 72.4620, 74.4424, 105.1574.



This preview shows how white text looks on a background with the XYZ color 72.4620, 74.4424,



# 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

72.4620, 74.4424, 105.1574

### Protanopia

73.2241, 74.4584, 104.2785

### Deuteranopia

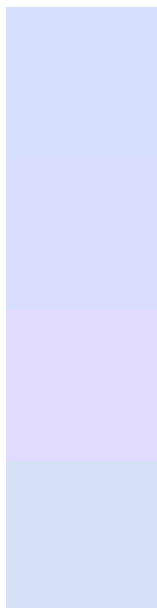
75.7545, 74.1858, 104.9343



## Tritanopia

70.5434, 74.4676, 95.4497

# Trichromacy



## Original Color

72.4620, 74.4424, 105.1574

## Protanomaly

72.9241, 74.3037, 104.2645

## Deuteranomaly

74.6945, 74.4140, 105.0342

## Tritanomaly

71.1757, 74.3229, 98.5901

# Monochromacy



## Original Color

72.4620, 74.4424, 105.1574

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

71.4698, 74.6816, 89.2454

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.4620, 74.4424, 105.1574 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(215, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 223, 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(215, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 223, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 72.4620, 74.4424, 105.1574 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(215, 223, 255) }
```



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

```
.border{ border-color:rgb(215, 223, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 223, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 223, 255); box-shadow:4px 4px 4px 4px rgb(215, 223, 255) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.4620, 74.4424, 105.1574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 223, 255) }
```

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

```
.background{ background-color: rgb(215,  
223, 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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