

# Converting Colors

XYZ(72.9679, 73.6517, 99.1773)

Have a look what the booklet for  
XYZ(72.9679, 73.6517, 99.1773)  
contains.

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# Color

**XYZ(72.9679, 73.6517,  
99.1773)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DFDCF8
RGB	223, 220, 248
RGB Percent	87%, 86%, 97%
CMY	0.1255, 0.1372, 0.0274
CMYK	0.10, 0.11, 0.00, 0.03
HSL	246°, 67%, 92%
HSV	246°, 11%, 97%
XYZ	72.9679, 73.6517, 99.1773
YIQ	224.0890, -7.2000, 9.3440

# Conversions

## Conversions Part 2

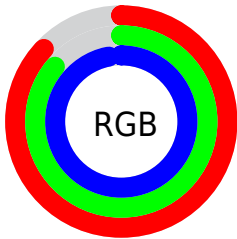
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	223, 220, 248
Decimal	14671096
CIE Lab	88.76, 6.29, -13.25
CIE LCh	89, 14.670, 295.370
Yxy	73.6517, 0.2969, 0.2996
Android (android.graphics.Color)	4292861176 (0xFFDFDCF8)
YUV	224.0890, 11.7881, -0.9551
Hunter-Lab	85.8206, 1.5815, -8.4432

# Details

The XYZ color **72.9679, 73.6517, 99.1773** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.1445, 91.7165, 80.9819**, and the grayscale version is **70.8391, 74.5282, 81.1613**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.1180, 39.0409, 55.3431** is the 20% darker color. If you saturate the color by 10%, you get **60.5535, 58.2972, 96.8690**, and if you desaturate by 10%, it is **87.2447, 91.4035, 101.8524**.

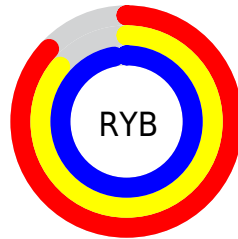
# Distribution



Red (87%)

Green (86%)

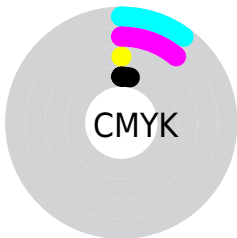
Blue (97%)



Red (87%)

Yellow (86%)

Blue (97%)

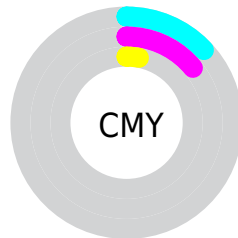


Cyan (10%)

Magenta (11%)

Yellow (0%)

Black (3%)



Cyan (13%)

Magenta (14%)

Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.9679, 73.6517, 99.1773 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 72.9679, 73.6517, 99.1773 by changing the saturation by 10% instead.



■ 72.9679, 73.6517,  
99.1773

■ 72.9679, 73.6517,  
99.1773

460.0091,  
473.2704, 578.7759

■ 54.2380, 54.5090,  
75.0006

122.4350,  
124.4019, 162.0681

■ 39.0234, 39.0088,  
55.1116

153.9029,  
156.7783, 201.6194

■ 26.9587, 26.7665,  
39.0919

190.3476,  
194.3347, 247.1325

■ 17.6787, 17.3980,  
26.5229

232.1343,  
237.4554, 299.0261

■ 10.8178, 10.5186,  
16.9859

279.6285,  
286.5250, 357.7187

■ 6.0109, 5.7442,  
10.0626

333.1954,

■ 2.8924, 2.6901,

341.9277, 423.6289

5.3343

393.2005,  
404.0481, 497.1751

■ 1.0971, 0.9722,  
2.3826

■ 0.0227, 0.0000,  
0.7769

■ 72.9679, 73.6517,  
99.1773

■ 72.9679, 73.6517,  
99.1773

■ 60.5535, 58.2972,  
96.8690

■ 87.2447, 91.4035,  
101.8524

■ 49.9180, 45.2282,  
94.9070

■ 93.9435, 99.5574,  
103.0732

■ 40.9816, 34.3380,  
93.2760

■ 33.6558, 25.5077,  
91.9577

■ 27.8440, 18.6068,  
90.9320

■ 23.4389, 13.4901,  
90.1766

■ 20.3192, 9.9915,  
89.6657

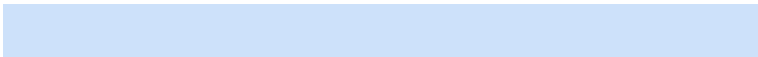
■ 18.3424, 7.9133,  
89.3687

■ 17.3836, 7.0043,  
89.2438

# Harmonies

## Analogous

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



69.4544, 73.6517, 101.2898



72.9679, 73.6517, 99.1773



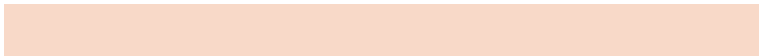
75.7692, 73.6517, 91.8189

# Triad

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



72.9679, 73.6517, 99.1773



73.9530, 73.6517, 65.1665



63.4210, 73.6517, 78.6271

# Complementary

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



72.9679, 73.6517, 99.1773



84.1445, 91.7165, 80.9819

# 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.



64.5384, 73.6517, 69.5946



72.9679, 73.6517, 99.1773



70.5560, 73.6517, 62.2520

# Square

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



72.9679, 73.6517, 99.1773



76.3513, 73.6517, 72.1101



67.1209, 73.6517, 63.8025



64.0181, 73.6517, 88.8610



# Rectangle

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



72.9679, 73.6517, 99.1773



76.8150, 73.6517, 85.2316



67.1209, 73.6517, 63.8025



63.6075, 73.6517, 75.3592

# Sweetspot

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



72.9701, 73.6548, 99.1789



90.1892, 93.9431, 107.9871



79.1737, 87.4208, 101.5091



19.0328, 19.7698, 23.0628



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.



72.9701, 73.6548, 99.1789



73.9288, 73.7470, 104.9459



77.3973, 75.9371, 99.3861



16.4555, 16.7319, 21.7476



9.4453, 3.8119, 48.2115



0.9297, 0.3814, 4.4678



# Inverse Universe

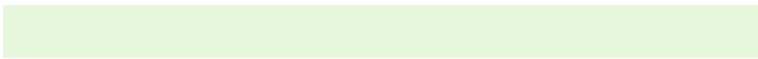
The Inverse Universe completely reimagines the original color for something new.



80.7886, 77.7387, 97.1368



84.0906, 79.0560, 102.2416



79.5075, 89.3261, 80.7649



17.9083, 17.4907, 21.3727



28.0265, 13.6263, 38.4435

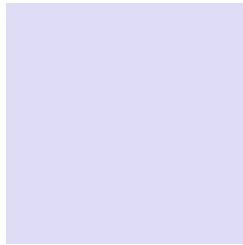


2.6180, 1.2709, 3.6778



# Previews

## White Background



This preview shows how the XYZ color 72.9679, 73.6517, 99.1773 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

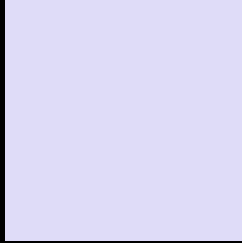
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.9679, 73.6517, 99.1773 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

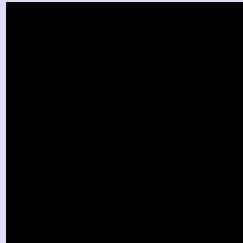
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 72.9679, 73.6517, 99.1773**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.9679, 73.6517, 99.1773.



This preview shows how white text looks on a background with the XYZ color 72.9679, 73.6517,



# 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

72.9679, 73.6517, 99.1773

### Protanopia

72.1688, 73.6125, 100.0275

### Deuteranopia

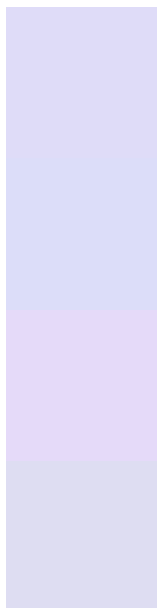
75.1904, 73.6211, 99.8699



## Tritanopia

71.5606, 73.4745, 92.0717

# Trichromacy



## Original Color

72.9679, 73.6517, 99.1773

## Protanomaly

72.4705, 73.7681, 100.0416

## Deuteranomaly

74.4834, 73.6404, 99.9108

## Tritanomaly

72.0077, 73.6533, 94.4257

# Monochromacy



## Original Color

72.9679, 73.6517, 99.1773

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

71.8361, 74.5058, 87.6857

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.9679, 73.6517, 99.1773 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(223, 220, 248)` looks like.

```
.text, #text, p{  
    color:rgb(223, 220, 248)  
}
```

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(223, 220, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 220, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 72.9679, 73.6517, 99.1773 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(223, 220, 248) }
```



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

```
.border{ border-color:rgb(223, 220, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 220, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 220, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 220, 248);  
box-shadow:4px 4px 4px 4px rgb(223, 220,  
248) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.9679, 73.6517, 99.1773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 220, 248) }
```

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

```
.background{ background-color: rgb(223,  
220, 248) }
```

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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