

# Converting Colors

XYZ(71.0315, 73.4958, 92.7487)

Have a look what the booklet for  
XYZ(71.0315, 73.4958, 92.7487)  
contains.

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# Color

**XYZ(71.0629, 73.5939,  
92.8977)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBDEF0
RGB	219, 222, 240
RGB Percent	86%, 87%, 94%
CMY	0.1412, 0.1294, 0.0588
CMYK	0.09, 0.07, 0.00, 0.06
HSL	231°, 41%, 90%
HSV	231°, 9%, 94%
XYZ	71.0629, 73.5939, 92.8977
YIQ	223.1550, -7.5660, 4.9620

# Conversions

## Conversions Part 2

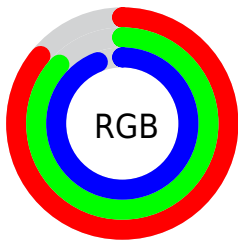
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	219, 222, 240
Decimal	14409456
CIE Lab	88.73, 2.38, -9.12
CIE LCh	89, 9.427, 284.648
Yxy	73.5939, 0.2991, 0.3098
Android (android.graphics.Color)	4292599536 (0xFFDBDEF0)
YUV	223.1550, 8.3046, -3.6439
Hunter-Lab	85.7869, -2.2638, -4.1537

# Details

The XYZ color **71.0629, 73.5939, 92.8977** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79.0059, 84.2076, 79.1089**, and the grayscale version is **70.1979, 73.8537, 80.4266**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.7803, 38.9906, 50.8821** is the 20% darker color. If you saturate the color by 10%, you get **59.2232, 59.8711, 90.8741**, and if you desaturate by 10%, it is **84.6143, 89.1924, 95.1954**.

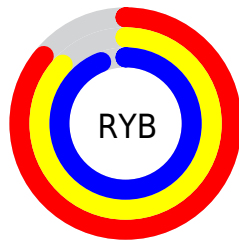
# Distribution



Red (86%)

Green (87%)

Blue (94%)



Red (86%)

Yellow (87%)

Blue (94%)

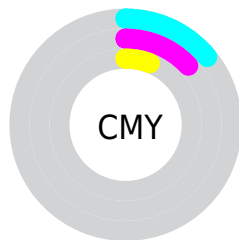


Cyan (9%)

Magenta (7%)

Yellow (0%)

Black (6%)



Cyan (14%)

Magenta (13%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.0629, 73.5939, 92.8977 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 71.0629, 73.5939, 92.8977 by changing the saturation by 10% instead.



■ 71.0629, 73.5939,  
92.8977

■ 71.0629, 73.5939,  
92.8977

453.4817,  
473.0706, 558.2240

■ 52.6762, 54.4617,  
69.7993

119.7413,  
124.3200, 153.3275

■ 37.7708, 38.9709,  
50.8871

150.7638,  
156.6826, 191.4959

■ 25.9813, 26.7371,  
35.7427

186.7289,  
194.2243, 235.5247

■ 16.9422, 17.3759,  
23.9474

228.0020,  
237.3293, 285.8325

■ 10.2884, 10.5028,  
15.0828

274.9485,  
286.3820, 342.8378

■ 5.6543, 5.7336,  
8.7302

327.9337,

■ 2.6747, 2.6838,

341.7669, 406.9591

4.4712

387.3230,  
403.8683, 478.6150

■ 0.9842, 0.9690,  
1.8873

■ 0.0000, 0.0000,  
0.4846

■ 71.0629, 73.5939,  
92.8977

■ 71.0629, 73.5939,  
92.8977

■ 59.2232, 59.8711,  
90.8741

■ 84.6143, 89.1924,  
95.1954

■ 49.0206, 47.9440,  
89.1097

■ 92.7284, 99.0714,  
96.6746

■ 40.3844, 37.7407,  
87.5954

■ 33.2361, 29.1806,  
86.3199

■ 27.4906, 22.1770,  
85.2709

■ 23.0539, 16.6348,  
84.4350

■ 19.8201, 12.4481,  
83.7973

■ 17.6664, 9.4964,  
83.3411

■ 16.4242, 7.6272,  
83.0458

# Harmonies

## Analogous

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



68.7950, 73.5939, 92.8537



71.0629, 73.5939, 92.8977



73.0739, 73.5939, 89.3960

# Triad

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



71.0629, 73.5939, 92.8977



73.1131, 73.5939, 71.6308



65.8073, 73.5939, 76.8543

# Complementary

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



71.0629, 73.5939, 92.8977



79.0059, 84.2076, 79.1089

# 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.



66.9141, 73.5939, 71.5298



71.0629, 73.5939, 92.8977



71.1154, 73.5939, 68.6274

# Square

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



71.0629, 73.5939, 92.8977



74.2749, 73.5939, 76.9990



68.8464, 73.5939, 68.5915



65.7940, 73.5939, 83.3473



# Rectangle

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



71.0629, 73.5939, 92.8977



73.9843, 73.5939, 85.6261



68.8464, 73.5939, 68.5915



66.0627, 73.5939, 74.8766

# Sweetspot

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



71.0651, 73.5970, 92.8993



90.2354, 94.4660, 108.0856



75.6389, 83.4872, 92.1351



19.0453, 19.9102, 23.0892



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.



71.0651, 73.5970, 92.8993



79.7033, 82.3213, 106.2965



72.5349, 73.1812, 92.7416



15.0796, 15.5933, 19.9366



8.9849, 4.1941, 45.4639



0.8033, 0.4607, 3.8008

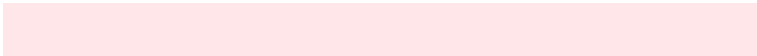


# Inverse Universe

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



74.4532, 74.4638, 79.5597



84.1268, 83.4673, 88.8775



77.4376, 84.7007, 79.2867



15.8649, 15.7957, 16.8446



19.8608, 10.2167, 1.9176

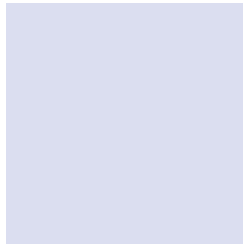


1.6804, 0.8612, 0.3080



# Previews

## White Background



This preview shows how the XYZ color 71.0629, 73.5939, 92.8977 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

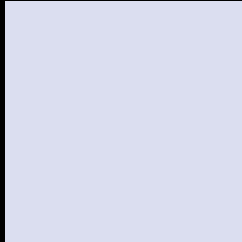
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.0629, 73.5939, 92.8977 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

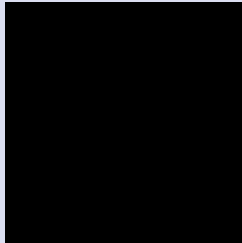
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 71.0629, 73.5939, 92.8977**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.0629, 73.5939, 92.8977.



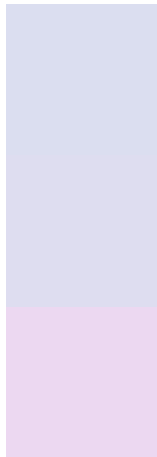
This preview shows how white text looks on a background with the XYZ color 71.0629, 73.5939,



# 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

71.0629, 73.5939, 92.8977

### Protanopia

71.7088, 73.5338, 92.8521

### Deuteranopia

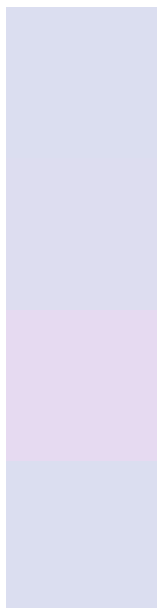
75.0251, 73.2955, 93.4123



## Tritanopia

71.0629, 73.5939, 92.8977

# Trichromacy



## Original Color

71.0629, 73.5939, 92.8977

## Protanomaly

71.4034, 73.3763, 92.8378

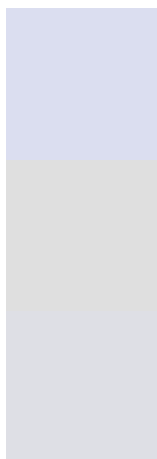
## Deuteranomaly

73.5817, 73.3167, 93.4924

## Tritanomaly

71.0629, 73.5939, 92.8977

# Monochromacy



## Original Color

71.0629, 73.5939, 92.8977

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

70.6547, 73.9621, 84.6809

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.0629, 73.5939, 92.8977 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(219, 222, 240)` looks like.

```
.text, #text, p{  
    color:rgb(219, 222, 240)  
}
```

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(219, 222, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 222, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 71.0629, 73.5939, 92.8977 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(219, 222, 240) }
```



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

```
.border{ border-color:rgb(219, 222, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 222, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 222, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 222, 240);  
box-shadow:4px 4px 4px 4px rgb(219, 222,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.0629, 73.5939, 92.8977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 222, 240) }
```

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

```
.background{ background-color: rgb(219,  
222, 240) }
```

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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