

# Converting Colors

XYZ(72.2680, 73.6430, 91.8124)

Have a look what the booklet for  
XYZ(72.2680, 73.6430, 91.8124)  
contains.

<b>XYZ(72.2245, 73.4259, 92.0273)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(72.2245, 73.4259,  
92.0273)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1DCEF
RGB	225, 220, 239
RGB Percent	88%, 86%, 94%
CMY	0.1176, 0.1372, 0.0627
CMYK	0.06, 0.08, 0.00, 0.06
HSL	256°, 37%, 90%
HSV	256°, 8%, 94%
XYZ	72.2245, 73.4259, 92.0273
YIQ	223.6610, -3.1190, 6.9690

# Conversions

## Conversions Part 2

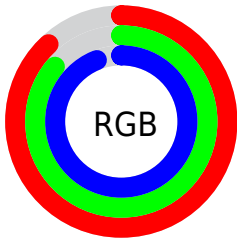
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 220, 239
Decimal	14802159
CIE Lab	88.65, 5.19, -8.66
CIE LCh	89, 10.098, 300.909
Yxy	73.4259, 0.3039, 0.3089
Android (android.graphics.Color)	4292992239 (0xFFE1DCEF)
YUV	223.6610, 7.5621, 1.1743
Hunter-Lab	85.6889, 0.4965, -3.6934

# Details

The XYZ color **72.2245, 73.4259, 92.0273** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.7191, 84.3946, 79.9073**, and the grayscale version is **70.5608, 74.2354, 80.8424**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.5799, 38.8752, 50.2700** is the 20% darker color. If you saturate the color by 10%, you get **61.1846, 59.0807, 89.8414**, and if you desaturate by 10%, it is **84.7319, 89.8628, 94.5418**.

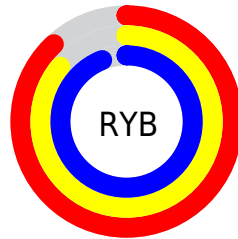
# Distribution



Red (88%)

Green (86%)

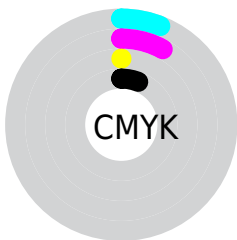
Blue (94%)



Red (88%)

Yellow (86%)

Blue (94%)

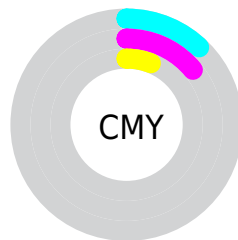


Cyan (6%)

Magenta (8%)

Yellow (0%)

Black (6%)



Cyan (12%)

Magenta (14%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2245, 73.4259, 92.0273 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 72.2245, 73.4259, 92.0273 by changing the saturation by 10% instead.



72.2245, 73.4259,  
92.0273

72.2245, 73.4259,  
92.0273

457.4681,  
472.4896, 555.3431

53.6282, 54.3243,  
69.0801

121.3847,  
124.0816, 152.1113

38.5340, 38.8610,  
50.3048

152.6794,  
156.4046, 190.0851

26.5765, 26.6516,  
35.2828

188.9375,  
193.9034, 233.9050

17.3903, 17.3117,  
23.5955

230.5245,  
236.9625, 283.9894

10.6102, 10.4570,  
14.8244

277.8057,  
285.9662, 340.7569

5.8707, 5.7030,  
8.5510

331.1465,

2.8065, 2.6653,

341.2991, 404.6260

4.3567

390.9122,  
403.3454, 476.0152

■ 1.0523, 0.9596,  
1.8230

■ 0.0000, 0.0000,  
0.4431

■ 72.2245, 73.4259,  
92.0273

■ 72.2245, 73.4259,  
92.0273

■ 61.1846, 59.0807,  
89.8414

■ 84.7319, 89.8628,  
94.5418

■ 51.5507, 46.7333,  
87.9659

■ 92.5802, 99.0121,  
95.8942

■ 43.2666, 36.2965,  
86.3880

■ 36.2696, 27.6729,  
85.0922

■ 30.4916, 20.7563,  
84.0617

■ 25.8583, 15.4293,  
83.2777

■ 22.2862, 11.5591,  
82.7190

■ 19.6793, 8.9904,  
82.3605

■ 17.9127, 7.5135,  
82.1686

# Harmonies

## Analogous

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



69.8635, 73.4259, 94.1351



72.2245, 73.4259, 92.0273



73.9655, 73.4259, 86.6540

# Triad

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



72.2245, 73.4259, 92.0273



72.0929, 73.4259, 68.7827



65.2068, 73.4259, 80.1614

# Complementary

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



72.2245, 73.4259, 92.0273



77.7191, 84.3946, 79.9073

# Split Complementary

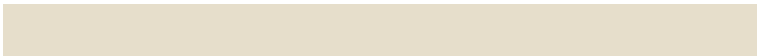
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



65.7730, 73.4259, 73.5978



72.2245, 73.4259, 92.0273



69.7148, 73.4259, 67.2637

# Square

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



72.2245, 73.4259, 92.0273



73.8883, 73.4259, 73.2495



67.4091, 73.4259, 68.9754



65.8444, 73.4259, 87.0436



# Rectangle

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



72.2245, 73.4259, 92.0273



74.5203, 73.4259, 82.0882



67.4091, 73.4259, 68.9754



65.2625, 73.4259, 77.8460

# Sweetspot

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



72.2267, 73.4290, 92.0289



92.0753, 96.0832, 108.3008



74.5917, 80.4380, 93.2571



19.7391, 20.6068, 23.1871



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.



72.2267, 73.4290, 92.0289



80.8688, 81.4041, 106.0581



75.1893, 74.9563, 92.1676



15.2871, 15.4297, 19.8941



9.8427, 4.0795, 45.3965



0.9093, 0.3860, 3.7808



# Inverse Universe

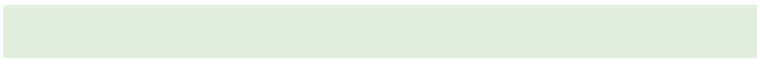
The Inverse Universe completely reimagines the original color for something new.



76.0436, 75.4808, 88.4068



86.3866, 84.3712, 100.7773



74.7606, 82.8695, 79.7688



16.2664, 15.9563, 18.9591



24.0663, 11.8989, 24.0633

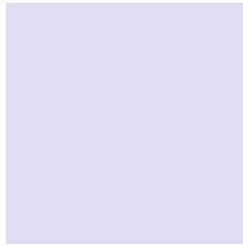


2.0427, 1.0061, 2.2159



# Previews

## White Background



This preview shows how the XYZ color 72.2245, 73.4259, 92.0273 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

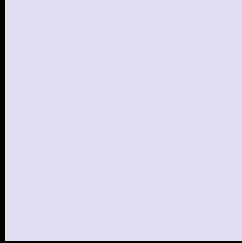
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.2245, 73.4259, 92.0273 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

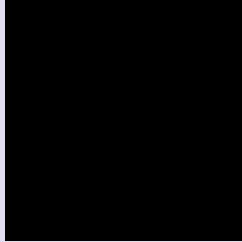
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 72.2245, 73.4259, 92.0273**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.2245, 73.4259, 92.0273.



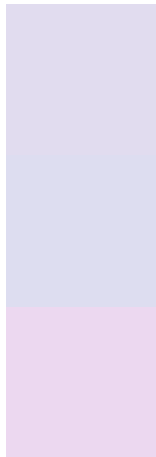
This preview shows how white text looks on a background with the XYZ color 72.2245, 73.4259,



# 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

72.2245, 73.4259, 92.0273

### Protanopia

71.4034, 73.3763, 92.8378

### Deuteranopia

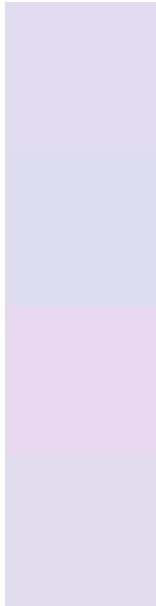
74.8761, 73.2359, 92.6276



## Tritanopia

72.0772, 73.3670, 91.2513

# Trichromacy



## Original Color

72.2245, 73.4259, 92.0273

## Protanomaly

71.7088, 73.5338, 92.8521

## Deuteranomaly

73.8197, 73.0728, 92.6518

## Tritanomaly

72.0772, 73.3670, 91.2513

# Monochromacy



## Original Color

72.2245, 73.4259, 92.0273

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

71.2710, 74.2798, 84.7098

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.2245, 73.4259, 92.0273 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(225, 220, 239) looks like.

```
.text, #text, p{  
    color:rgb(225, 220, 239)  
}
```

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(225, 220, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 220, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 72.2245, 73.4259, 92.0273 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(225, 220, 239) }
```



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

```
.border{ border-color:rgb(225, 220, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 220, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 220, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 220, 239);  
box-shadow:4px 4px 4px 4px rgb(225, 220,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.2245, 73.4259, 92.0273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 220, 239) }
```

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

```
.background{ background-color: rgb(225,  
220, 239) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor