

# Converting Colors

XYZ(72.1100, 73.0032, 82.5708)

Have a look what the booklet for  
XYZ(72.1100, 73.0032, 82.5708)  
contains.

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# Color

**XYZ(72.0140, 73.1429,  
82.2740)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7DBE2
RGB	231, 219, 226
RGB Percent	91%, 86%, 89%
CMY	0.0941, 0.1412, 0.1137
CMYK	0.00, 0.05, 0.02, 0.09
HSL	325°, 20%, 88%
HSV	325°, 5%, 91%
XYZ	72.0140, 73.1429, 82.2740
YIQ	223.3860, 4.9050, 4.7210

# Conversions

## Conversions Part 2

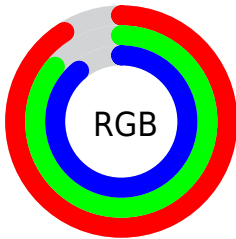
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 219, 226
Decimal	15195106
CIE Lab	88.52, 5.32, -1.96
CIE LCh	89, 5.675, 339.741
Yxy	73.1429, 0.3166, 0.3216
Android (android.graphics.Color)	4293385186 (0xFFE7DBE2)
YUV	223.3860, 1.2887, 6.6775
Hunter-Lab	85.5236, 0.6372, 2.8294

# Details

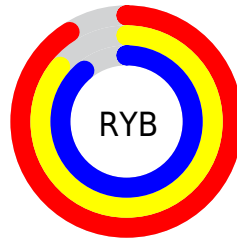
The XYZ color **72.0140, 73.1429, 82.2740** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.2466, 77.5957, 81.7471**, and the grayscale version is **70.4041, 74.0706, 80.6629**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.3053, 38.6052, 43.9607** is the 20% darker color. If you saturate the color by 10%, you get **65.1171, 61.4035, 73.6392**, and if you desaturate by 10%, it is **79.8256, 86.5909, 91.5815**.

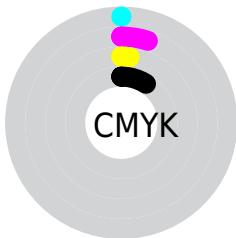
# Distribution



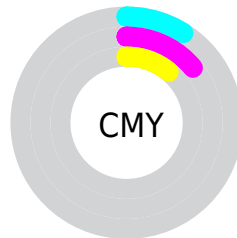
- Red (91%)
- Green (86%)
- Blue (89%)



- Red (91%)
- Yellow (86%)
- Blue (89%)



- Cyan (0%)
- Magenta (5%)
- Yellow (2%)
- Black (9%)



- Cyan (9%)
- Magenta (14%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.0140, 73.1429, 82.2740 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 72.0140, 73.1429, 82.2740 by changing the saturation by 10% instead.



72.0140, 73.1429,  
82.2740

72.0140, 73.1429,  
82.2740

456.7472,  
471.5099, 522.4712

53.4556, 54.0928,  
61.0543

121.0871,  
123.6801, 138.3983

38.3955, 38.6759,  
43.8381

152.3326,  
155.9359, 174.1400

26.4684, 26.5077,  
30.2070

188.5378,  
193.3625, 215.5594

17.3089, 17.2038,  
19.7424

230.0681,  
236.3442, 263.0750

10.5517, 10.3799,  
12.0257

277.2888,  
285.2654, 317.1055

5.8313, 5.6516,  
6.6384

330.5653,

2.7824, 2.6344,

340.5105, 378.0694

3.1620

390.2630,  
402.4639, 446.3851

■ 1.0398, 0.9440,  
1.1780

■ 0.0000, 0.0000,  
0.0000

■ 72.0140, 73.1429,  
82.2740

■ 72.0140, 73.1429,  
82.2740

■ 65.1171, 61.4035,  
73.6392

■ 79.8256, 86.5909,  
91.5815

■ 59.0931, 51.2941,  
65.6547

■ 85.2363, 95.1175,  
100.4597

■ 53.9063, 42.7444,  
58.3032

■ 86.7471, 95.7218,  
108.4154

■ 49.5161, 35.6749,  
51.5650

■ 86.7655, 95.7292,  
108.5123

■ 45.8780, 29.9991,  
45.4189

■ 42.9435, 25.6218,  
39.8420

■ 40.6575, 22.4351,  
34.8091

■ 38.9564, 20.3141,  
30.2920

■ 37.7621, 19.1052,  
26.2575

# Harmonies

## Analogous

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



71.2133, 73.1429, 85.5669



72.0140, 73.1429, 82.2740



72.1417, 73.1429, 78.3740

# Triad

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



72.0140, 73.1429, 82.2740



69.0766, 73.1429, 72.4525



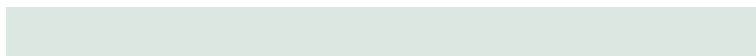
67.5195, 73.1429, 84.5479

# Complementary

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



72.0140, 73.1429, 82.2740



71.2466, 77.5957, 81.7471

# 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.



66.9629, 73.1429, 80.9200



72.0140, 73.1429, 82.2740



67.8540, 73.1429, 73.9936

# Square

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



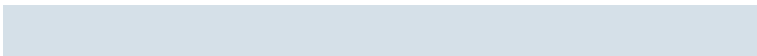
72.0140, 73.1429, 82.2740



70.4338, 73.1429, 72.7882



67.0845, 73.1429, 77.0632



68.6144, 73.1429, 86.9093



# Rectangle

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



72.0140, 73.1429, 82.2740



71.8263, 73.1429, 75.9657



67.0845, 73.1429, 77.0632



67.2639, 73.1429, 83.4313

# Sweetspot

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



72.0161, 73.1461, 82.2756



93.1041, 96.6529, 106.5724



70.4986, 72.2833, 85.8389



19.9485, 20.7228, 22.8354



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.



72.0161, 73.1461, 82.2756



89.3520, 90.2197, 102.0194



71.2073, 72.8226, 78.0168



15.1571, 15.2411, 17.2982



20.9789, 10.5258, 14.0498



1.5963, 0.7962, 1.2807



# Inverse Universe

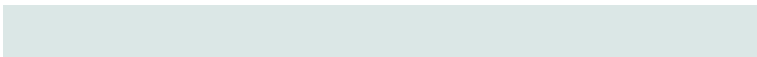
The Inverse Universe completely reimagines the original color for something new.



72.0161, 73.1461, 82.2756



89.3520, 90.2197, 102.0194



72.0746, 77.9269, 86.1069



15.1571, 15.2411, 17.2982



20.9789, 10.5258, 14.0498

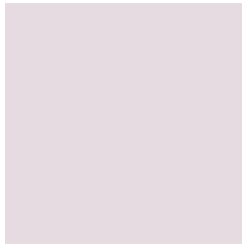


1.5963, 0.7962, 1.2807



# Previews

## White Background



This preview shows how the XYZ color 72.0140, 73.1429, 82.2740 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

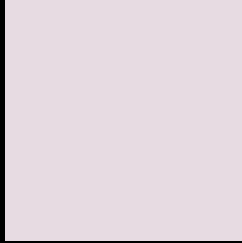
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.0140, 73.1429, 82.2740 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

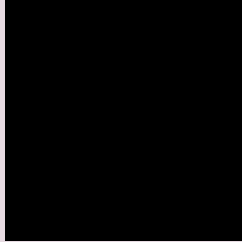
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

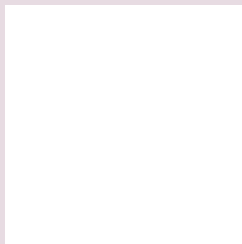
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 72.0140, 73.1429, 82.2740

## Background



This preview shows how black text looks on a background with the XYZ color 72.0140, 73.1429, 82.2740.



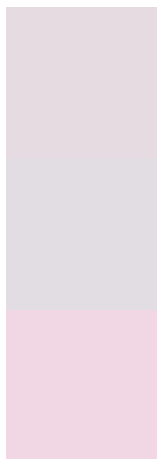
This preview shows how white text looks on a background with the XYZ color 72.0140, 73.1429, 82.2740.

82.2740.

# 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

72.0140, 73.1429, 82.2740

### Protanopia

70.7729, 73.2665, 83.0848

### Deuteranopia

74.4412, 72.8477, 82.8106



## **Tritanopia**

73.3455, 73.2968, 88.8792

# Trichromacy



## Original Color

72.0140, 73.1429, 82.2740

## Protanomaly

71.1369, 73.0633, 83.0264

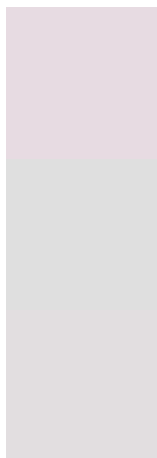
## Deuteranomaly

73.3460, 72.6623, 82.8325

## Tritanomaly

72.9156, 73.1248, 86.6154

# Monochromacy



## Original Color

72.0140, 73.1429, 82.2740

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

70.9399, 73.7931, 81.0256

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.0140, 73.1429, 82.2740 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(231, 219, 226) looks like.

```
.text, #text, p{  
    color:rgb(231, 219, 226)  
}
```

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(231, 219, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 219, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 72.0140, 73.1429, 82.2740 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(231, 219, 226) }
```



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

```
.border{ border-color:rgb(231, 219, 226) }
```

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

Here you see how a box with a 4 pixel rgb(231, 219, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 219, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 219, 226);  
box-shadow:4px 4px 4px 4px rgb(231, 219,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.0140, 73.1429, 82.2740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 219, 226) }
```

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

```
.background{ background-color: rgb(231,  
219, 226) }
```

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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