

# Converting Colors

XYZ(71.3371, 73.4838, 91.0822)

Have a look what the booklet for  
XYZ(71.3371, 73.4838, 91.0822)  
contains.

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# Color

**XYZ(71.4133, 73.4155,  
91.2957)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>              |
|---------------|---------------------------|
| Hex           | DEDDEE                    |
| RGB           | 222, 221, 238             |
| RGB Percent   | 87%, 87%, 93%             |
| CMY           | 0.1294, 0.1333, 0.0667    |
| CMYK          | 0.07, 0.07, 0.00, 0.07    |
| HSL           | 244°, 33%, 90%            |
| HSV           | 244°, 7%, 93%             |
| XYZ           | 71.4133, 73.4155, 91.2957 |
| YIQ           | 223.2370, -4.8610, 5.4990 |

# Conversions

## Conversions Part 2

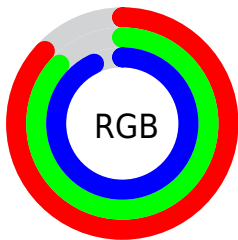
| Format                              | Color                        |
|-------------------------------------|------------------------------|
| R <sub>Y</sub> B                    | 222, 221, 238                |
| Decimal                             | 14605806                     |
| CIE Lab                             | 88.65, 3.49, -8.17           |
| CIE LCh                             | 89, 8.886, 293.153           |
| Yxy                                 | 73.4155, 0.3024,<br>0.3109   |
| Android<br>(android.graphics.Color) | 4292795886<br>(0xFFDEDDDEE)  |
| YUV                                 | 223.2370, 7.2782,<br>-1.0848 |
| Hunter-Lab                          | 85.6828, -1.1722,<br>-3.1959 |

# Details

The XYZ color **71.4133, 73.4155, 91.2957** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **78.5534, 84.3760, 80.5561**, and the grayscale version is **70.2618, 73.9209, 80.4999**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.0161, 38.8653, 49.7541** is the 20% darker color. If you saturate the color by 10%, you get **59.1578, 58.4228, 89.0489**, and if you desaturate by 10%, it is **85.4756, 90.6659, 93.8853**.

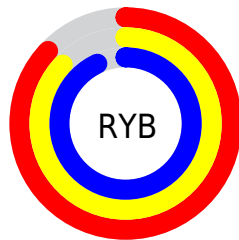
# Distribution



Red (87%)

Green (87%)

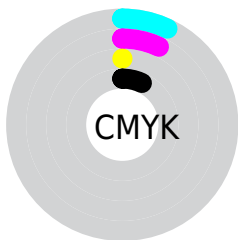
Blue (93%)



Red (87%)

Yellow (87%)

Blue (93%)

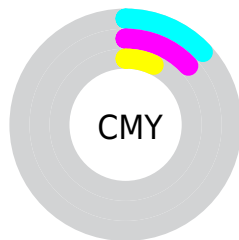


Cyan (7%)

Magenta (7%)

Yellow (0%)

Black (7%)



Cyan (13%)

Magenta (13%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.4133, 73.4155, 91.2957 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 71.4133, 73.4155, 91.2957 by changing the saturation by 10% instead.



71.4133, 73.4155,  
91.2957

71.4133, 73.4155,  
91.2957

454.6863,  
472.4536, 552.9152

52.9633, 54.3158,  
68.4760

120.2374,  
124.0669, 151.0881

38.0008, 38.8542,  
49.8160

151.3421,  
156.3873, 188.8979

26.1605, 26.6463,  
34.8971

187.3958,  
193.8835, 232.5415

17.0771, 17.3078,  
23.3007

228.7639,  
236.9398, 282.4374

10.3851, 10.4542,  
14.6083

275.8116,  
285.9405, 339.0042

5.7193, 5.7011,  
8.4014

328.9043,

2.7142, 2.6642,

341.2701, 402.6604

4.2614

388.4074,  
403.3130, 473.8246

■ 1.0045, 0.9590,  
1.7698

■ 0.0000, 0.0000,  
0.4079

■ 71.4133, 73.4155,  
91.2957

■ 71.4133, 73.4155,  
91.2957

■ 59.1578, 58.4228,  
89.0489

■ 85.4756, 90.6659,  
93.8853

■ 48.6298, 45.5856,  
87.1259

■ 92.4328, 98.9531,  
95.1182

■ 39.7535, 34.8076,  
85.5134

■ 32.4449, 25.9816,  
84.1950

■ 26.6128, 18.9906,  
83.1530

■ 22.1564, 13.7051,  
82.3677

■ 18.9624, 9.9790,  
81.8168

■ 16.8992, 7.6412,  
81.4743

■ 15.8027, 6.4734,  
81.3067

# Harmonies

## Analogous

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



69.2887, 73.4155, 92.2463



71.4133, 73.4155, 91.2957



73.1317, 73.4155, 87.2310

# Triad

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



71.4133, 73.4155, 91.2957



72.2816, 73.4155, 70.8532



65.7642, 73.4155, 78.5371

# Complementary

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



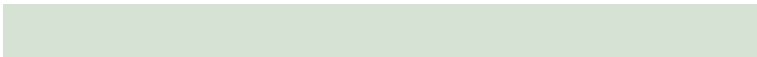
71.4133, 73.4155, 91.2957



78.5534, 84.3760, 80.5561

# 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.



66.5308, 73.4155, 73.0614



71.4133, 73.4155, 91.2957



70.2721, 73.4155, 68.7746

# Square

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



71.4133, 73.4155, 91.2957



73.6402, 73.4155, 75.3826



68.1703, 73.4155, 69.5618



66.0557, 73.4155, 84.6713



# Rectangle

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



71.4133, 73.4155, 91.2957



73.8011, 73.4155, 83.4091



68.1703, 73.4155, 69.5618



65.9062, 73.4155, 76.5626

# Sweetspot

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



71.4154, 73.4186, 91.2973



91.7003, 95.8899, 108.2832



75.5813, 82.2023, 92.7732



19.6627, 20.5674, 23.1835



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.



71.4154, 73.4186, 91.2973



80.6545, 82.3518, 106.2523



74.0372, 74.7702, 91.4200



14.9831, 15.2730, 19.8799



8.7448, 3.5135, 45.3451



0.7575, 0.3077, 3.7737



# Inverse Universe

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



76.4049, 76.0077, 90.7682



87.9447, 86.1350, 105.4660



75.8294, 82.9718, 80.4286



16.4119, 16.0145, 19.7252



27.1978, 13.1516, 40.5539

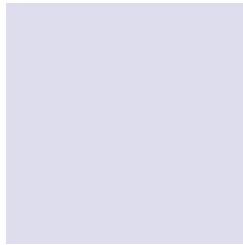


2.2747, 1.0989, 3.4374



# Previews

## White Background



This preview shows how the XYZ color 71.4133, 73.4155, 91.2957 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 71.4133, 73.4155, 91.2957 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

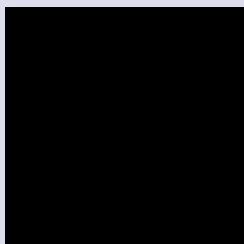
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 71.4133, 73.4155, 91.2957**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.4133, 73.4155, 91.2957.



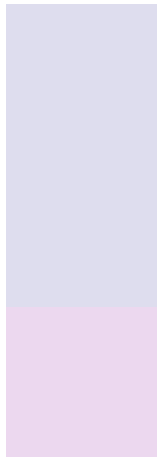
This preview shows how white text looks on a background with the XYZ color 71.4133, 73.4155,

91.2957.

# 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

71.4133, 73.4155, 91.2957

### Protanopia

71.4133, 73.4155, 91.2957

### Deuteranopia

74.7279, 73.1766, 91.8473



## Tritanopia

71.4133, 73.4155, 91.2957

# Trichromacy



## Original Color

71.4133, 73.4155, 91.2957

## Protanomaly

71.4133, 73.4155, 91.2957

## Deuteranomaly

73.6064, 73.3637, 91.9425

## Tritanomaly

71.4133, 73.4155, 91.2957

# Monochromacy



## Original Color

71.4133, 73.4155, 91.2957

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

70.5563, 73.5320, 83.8732

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.4133, 73.4155, 91.2957 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(222, 221, 238)` looks like.

```
.text, #text, p{  
    color:rgb(222, 221, 238)  
}
```

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(222, 221, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 221, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 71.4133, 73.4155, 91.2957 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(222, 221, 238) }
```



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

```
.border{ border-color:rgb(222, 221, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 221, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 221, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 221, 238);  
box-shadow:4px 4px 4px 4px rgb(222, 221,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.4133, 73.4155, 91.2957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 221, 238) }
```

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

```
.background{ background-color: rgb(222,  
221, 238) }
```

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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