

# Converting Colors

XYZ(73.1304, 73.3829, 83.0810)

Have a look what the booklet for  
XYZ(73.1304, 73.3829, 83.0810)  
contains.

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# **Color**

**XYZ(73.1975, 73.3510,  
82.9733)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<a href="#">EBDAE3</a>
RGB	<a href="#">235, 218, 227</a>
RGB Percent	<a href="#">92%, 85%, 89%</a>
CMY	<a href="#">0.0784, 0.1451, 0.1098</a>
<a href="#">CMYK</a>	<a href="#">0.00, 0.07, 0.03, 0.08</a>
HSL	<a href="#">328°, 30%, 89%</a>
HSV	<a href="#">328°, 7%, 92%</a>
XYZ	<a href="#">73.1975, 73.3510, 82.9733</a>
YIQ	<a href="#">224.1090, 7.2430, 6.4030</a>

# Conversions

## Conversions Part 2

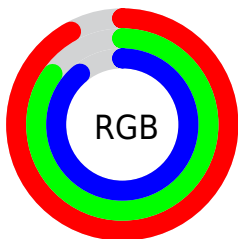
Format	Color
R <sub>Y</sub> B	235, 218, 227
Decimal	15456995
CIE Lab	88.61, 7.38, -2.31
CIE LCh	89, 7.733, 342.628
Yxy	73.3510, 0.3189, 0.3196
Android (android.graphics.Color)	4293647075 (0xFFEBDAE3)
YUV	224.1090, 1.4253, 9.5514
Hunter-Lab	85.6452, 2.6777, 2.5113

# Details

The XYZ color **73.1975, 73.3510, 82.9733** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.3520, 79.8151, 83.5479**, and the grayscale version is **70.9177, 74.6110, 81.2513**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.1340, 38.7566, 44.4479** is the 20% darker color. If you saturate the color by 10%, you get **66.0528, 61.4261, 73.3002**, and if you desaturate by 10%, it is **81.3085, 87.0495, 93.4542**.

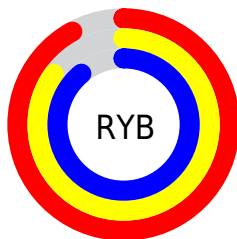
# Distribution



Red (92%)

Green (85%)

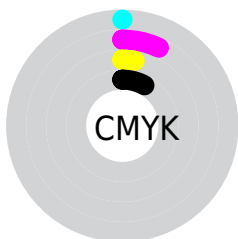
Blue (89%)



Red (92%)

Yellow (85%)

Blue (89%)

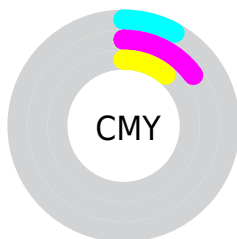


Cyan (0%)

Magenta (7%)

Yellow (3%)

Black (8%)



Cyan (8%)

Magenta (15%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.1975, 73.3510, 82.9733 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 73.1975, 73.3510, 82.9733 by changing the saturation by 10% instead.



73.1975, 73.3510,  
82.9733

73.1975, 73.3510,  
82.9733

460.7922,  
472.2304, 524.8662

54.4264, 54.2630,  
61.6276

122.7592,  
123.9754, 139.3870

39.1747, 38.8120,  
44.2981

154.2805,  
156.2806, 175.2921

27.0770, 26.6135,  
30.5660

190.7826,  
193.7603, 216.8874

17.7679, 17.2832,  
20.0129

232.6308,  
236.7989, 264.5914

10.8822, 10.4366,  
12.2202

280.1905,  
285.7808, 318.8228

6.0544, 5.6894,  
6.7695

333.8271,

2.9191, 2.6571,

341.0904, 380.0000

3.2421

393.9059,  
403.1122, 448.5417

■ 1.1112, 0.9555,  
1.2196

■ 0.0344, 0.0000,  
0.0000

■ 73.1975, 73.3510,  
82.9733

■ 73.1975, 73.3510,  
82.9733

■ 66.0528, 61.4261,  
73.3002

■ 81.3085, 87.0495,  
93.4542

■ 59.8301, 51.1921,  
64.4085

■ 87.1397, 96.0297,  
103.6671

■ 54.4909, 42.5741,  
56.2770

■ 88.0714, 96.4024,  
108.5734

■ 49.9915, 35.4877,  
48.8816

■ 46.2842, 29.8407,  
42.1964

■ 43.3163, 25.5311,  
36.1937

■ 41.0282, 22.4431,  
30.8431

■ 39.3503, 20.4410,  
26.1104

■ 38.1921, 19.3476,  
21.9539

# Harmonies

## Analogous

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



72.1754, 73.3510, 87.6658



73.1975, 73.3510, 82.9733



73.2769, 73.3510, 77.6420

# Triad

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



73.1975, 73.3510, 82.9733



68.9367, 73.3510, 70.2563



67.1120, 73.3510, 87.0276

# Complementary

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



73.1975, 73.3510, 82.9733



72.3520, 79.8151, 83.5479

# 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.



66.2761, 73.3510, 82.1336



73.1975, 73.3510, 82.9733



67.3169, 73.3510, 72.5445

# Square

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



73.1975, 73.3510, 82.9733



70.7944, 73.3510, 70.4585



66.3504, 73.3510, 76.8388



68.6525, 73.3510, 90.0773

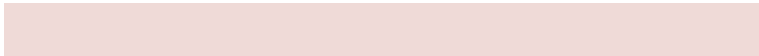


# Rectangle

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



73.1975, 73.3510, 82.9733



72.7826, 73.3510, 74.4551



66.3504, 73.3510, 76.8388



66.7405, 73.3510, 85.5345

# Sweetspot

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



73.1996, 73.3542, 82.9749



93.0604, 96.6354, 106.3420



71.4127, 72.3024, 88.7903



19.9396, 20.7192, 22.7885



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.



73.1996, 73.3542, 82.9749



86.4698, 85.5450, 97.6997



72.0641, 72.9000, 76.9957



15.3986, 15.1873, 17.3846



21.1713, 10.6712, 11.9694



1.7110, 0.8574, 1.1956



# Inverse Universe

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



73.1996, 73.3542, 82.9749



86.4698, 85.5450, 97.6997



73.5377, 80.2893, 89.7915



15.3986, 15.1873, 17.3846



21.1713, 10.6712, 11.9694

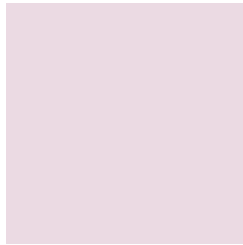


1.7110, 0.8574, 1.1956



# Previews

## White Background



This preview shows how the XYZ color 73.1975, 73.3510, 82.9733 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

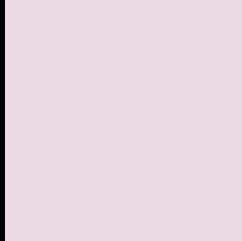
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.1975, 73.3510, 82.9733 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

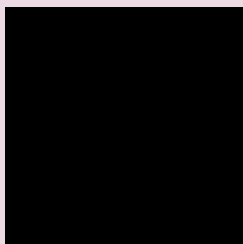
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

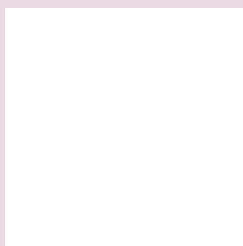
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.1975, 73.3510, 82.9733**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.1975, 73.3510, 82.9733.



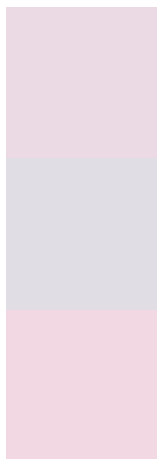
This preview shows how white text looks on a background with the XYZ color 73.1975, 73.3510,

82.9733.

# 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

73.1975, 73.3510, 82.9733

### Protanopia

71.0506, 73.3776, 84.5473

### Deuteranopia

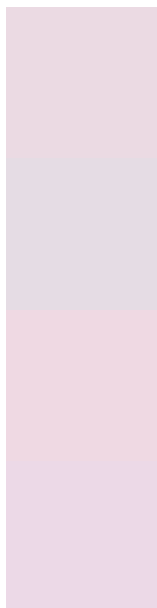
75.0389, 73.5350, 82.9117



## Tritanopia

74.2562, 73.3991, 88.0956

# Trichromacy



## Original Color

73.1975, 73.3510, 82.9733

## Protanomaly

71.9099, 73.4458, 83.7852

## Deuteranomaly

74.2746, 73.5225, 82.9496

## Tritanomaly

73.8287, 73.2281, 85.8445

# Monochromacy



## Original Color

73.1975, 73.3510, 82.9733

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

71.7068, 74.1728, 81.7716

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.1975, 73.3510, 82.9733 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(235, 218, 227) looks like.

```
.text, #text, p{  
    color:rgb(235, 218, 227)  
}
```

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(235, 218, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 218, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 73.1975, 73.3510, 82.9733 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(235, 218, 227) }
```



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

```
.border{ border-color:rgb(235, 218, 227) }
```

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

Here you see how a box with a 4 pixel rgb(235, 218, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 218, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 218, 227);  
box-shadow:4px 4px 4px 4px rgb(235, 218,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.1975, 73.3510, 82.9733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 218, 227) }
```

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

```
.background{ background-color: rgb(235,  
218, 227) }
```

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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