

# Converting Colors

XYZ(73.6272, 74.7860, 91.6481)

Have a look what the booklet for  
XYZ(73.6272, 74.7860, 91.6481)  
contains.

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# Color

**XYZ(73.5488, 74.9096,  
91.4715)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4DEEE
RGB	228, 222, 238
RGB Percent	89%, 87%, 93%
CMY	0.1059, 0.1294, 0.0667
CMYK	0.04, 0.07, 0.00, 0.07
HSL	262°, 32%, 90%
HSV	262°, 7%, 93%
XYZ	73.5488, 74.9096, 91.4715
YIQ	225.6180, -1.5600, 6.2480

# Conversions

## Conversions Part 2

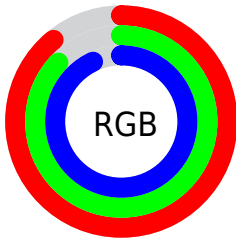
Format	Color
R <sub>Y</sub> B	228, 222, 238
Decimal	14999278
CIE Lab	89.35, 4.94, -7.08
CIE LCh	89, 8.630, 304.927
Yxy	74.9096, 0.3065, 0.3122
Android (android.graphics.Color)	4293189358 (0xFFE4DEEE)
YUV	225.6180, 6.1043, 2.0890
Hunter-Lab	86.5503, 0.2228, -2.0759

# Details

The XYZ color **73.5488, 74.9096, 91.4715** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.0409, 83.5808, 81.1832**, and the grayscale version is **71.9730, 75.7212, 82.4604**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.4958, 39.8991, 49.8756** is the 20% darker color. If you saturate the color by 10%, you get **63.1502, 60.8198, 89.3011**, and if you desaturate by 10%, it is **85.2503, 90.9998, 93.9616**.

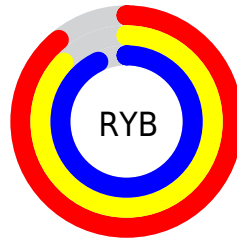
# Distribution



Red (89%)

Green (87%)

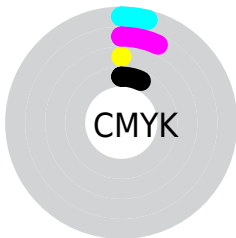
Blue (93%)



Red (89%)

Yellow (87%)

Blue (93%)

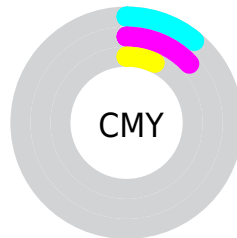


Cyan (4%)

Magenta (7%)

Yellow (0%)

Black (7%)



Cyan (11%)

Magenta (13%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.5488, 74.9096, 91.4715 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 73.5488, 74.9096, 91.4715 by changing the saturation by 10% instead.



73.5488, 74.9096,  
91.4715

73.5488, 74.9096,  
91.4715

461.9891,  
477.6068, 553.4992

54.7148, 55.5388,  
68.6212

123.2549,  
126.1844, 151.3340

39.4064, 39.8333,  
49.9334

154.8578,  
158.8572, 189.1833

27.2581, 27.4086,  
34.9897

191.4476,  
196.7328, 232.8693

17.9048, 17.8803,  
23.3714

233.3898,  
240.1956, 282.8106

10.9809, 10.8641,  
14.6601

281.0497,  
289.6300, 339.4257

6.1212, 5.9755,  
8.4373

334.7926,

2.9603, 2.8302,

345.4204, 403.1331

4.2842

394.9839,  
407.9512, 474.3514

■ 1.1328, 1.0437,  
1.7825

■ 0.0523, 0.0000,  
0.4164

■ 73.5488, 74.9096,  
91.4715

■ 73.5488, 74.9096,  
91.4715

■ 63.1502, 60.8198,  
89.3011

■ 85.2503, 90.9998,  
93.9616

■ 54.0006, 48.6411,  
87.4326

■ 92.4328, 98.9531,  
95.1182

■ 46.0517, 38.2917,  
85.8539

■ 39.2496, 29.6800,  
84.5502

■ 33.5358, 22.7063,  
83.5053

■ 28.8462, 17.2605,  
82.7013

■ 25.1092, 13.2182,  
82.1180

■ 22.2423, 10.4345,  
81.7318

■ 20.1435, 8.7273,  
81.5129

# Harmonies

## Analogous

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



71.5485, 74.9096, 93.7033



73.5488, 74.9096, 91.4715



74.9398, 74.9096, 86.5902

# Triad

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



73.5488, 74.9096, 91.4715



72.9334, 74.9096, 71.4804



67.2311, 74.9096, 82.5664

# Complementary

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



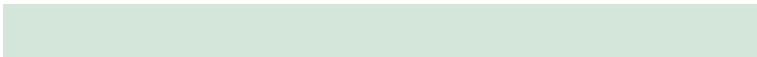
73.5488, 74.9096, 91.4715



77.0409, 83.5808, 81.1832

# Split Complementary

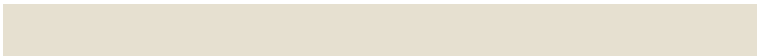
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.5855, 74.9096, 76.7358



73.5488, 74.9096, 91.4715



70.8512, 74.9096, 70.5208

# Square

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



73.5488, 74.9096, 91.4715



74.5796, 74.9096, 75.0872



68.9004, 74.9096, 72.3987



67.9228, 74.9096, 88.4025



# Rectangle

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



73.5488, 74.9096, 91.4715



75.3198, 74.9096, 82.5961



68.9004, 74.9096, 72.3987



67.2320, 74.9096, 80.5402

# Sweetspot

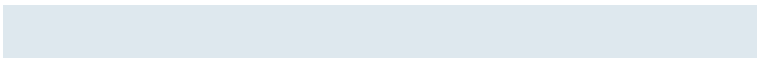
The Sweet Spot groups the original color and five complimentary colors.



73.5510, 74.9128, 91.4731



92.2813, 96.1894, 108.3104



74.4537, 79.4935, 92.3097



19.7810, 20.6284, 23.1891



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.



73.5510, 74.9128, 91.4731



84.3468, 85.3289, 106.6323



76.1040, 76.2289, 91.5926



15.4571, 15.5174, 19.9021



11.0516, 4.7027, 45.4531



1.0261, 0.4463, 3.7863



# Inverse Universe

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



75.9493, 76.2493, 87.0624



87.6770, 87.1851, 100.4888



74.5438, 82.2935, 81.0664



16.1884, 15.9251, 18.5483



22.7531, 11.3737, 17.1482

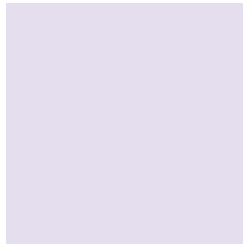


1.9409, 0.9654, 1.6796



# Previews

## White Background



This preview shows how the XYZ color 73.5488, 74.9096, 91.4715 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

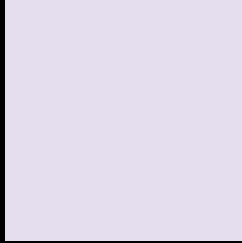
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.5488, 74.9096, 91.4715 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

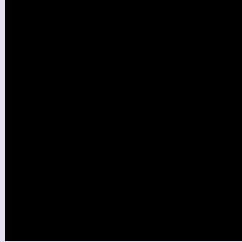
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

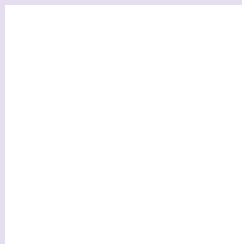
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 73.5488, 74.9096, 91.4715

## Background



This preview shows how black text looks on a background with the XYZ color 73.5488, 74.9096, 91.4715.



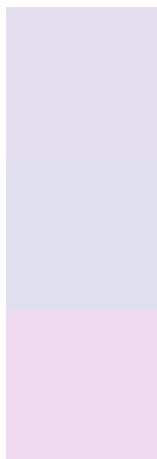
This preview shows how white text looks on a background with the XYZ color 73.5488, 74.9096,

91.4715.

# 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

73.5488, 74.9096, 91.4715

### Protanopia

72.7081, 74.8546, 92.2776

### Deuteranopia

76.5866, 74.9001, 92.0820



## Tritanopia

73.6962, 74.9685, 92.2475

# Trichromacy



## Original Color

73.5488, 74.9096, 91.4715

## Protanomaly

73.0190, 75.0149, 92.2922

## Deuteranomaly

75.5036, 74.7279, 92.1058

## Tritanomaly

73.6962, 74.9685, 92.2475

# Monochromacy



## Original Color

73.5488, 74.9096, 91.4715

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

72.8867, 75.8945, 85.6705

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.5488, 74.9096, 91.4715 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(228, 222, 238)` looks like.

```
.text, #text, p{  
    color:rgb(228, 222, 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(228, 222, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 222, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 73.5488, 74.9096, 91.4715 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(228, 222, 238) }
```



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

```
.border{ border-color:rgb(228, 222, 238) }
```

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

Here you see how a box with a 4 pixel rgb(228, 222, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 222, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 222, 238);  
box-shadow:4px 4px 4px 4px rgb(228, 222,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.5488, 74.9096, 91.4715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 222, 238) }
```

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

```
.background{ background-color: rgb(228,  
222, 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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