

# Converting Colors

XYZ(73.4264, 71.3468, 88.9845)

Have a look what the booklet for  
XYZ(73.4264, 71.3468, 88.9845)  
contains.

<b>XYZ(73.5266, 71.4775, 89.2781)</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(73.5266, 71.4775,  
89.2781)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECD5EC
RGB	236, 213, 236
RGB Percent	93%, 84%, 93%
CMY	0.0745, 0.1647, 0.0745
CMYK	0.00, 0.10, 0.00, 0.07
HSL	300°, 38%, 88%
HSV	300°, 10%, 93%
XYZ	73.5266, 71.4775, 89.2781
YIQ	222.4990, 6.3250, 12.0290

# Conversions

## Conversions Part 2

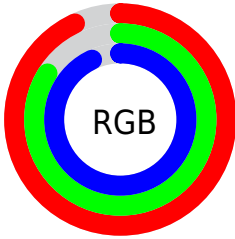
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	236, 213, 236
Decimal	15521260
CIE <sub>Lab</sub>	87.72, 11.94, -8.37
CIE <sub>LCh</sub>	88, 14.582, 324.958
Yxy	71.4775, 0.3138, 0.3051
Android (android.graphics.Color)	4293711340 (0xFFECD5EC)
YUV	222.4990, 6.6560, 11.8404
Hunter-Lab	84.5444, 7.2854, -3.4287

# Details

The XYZ color **73.5266, 71.4775, 89.2781** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.4490, 78.9430, 74.5317**, and the grayscale version is **69.7370, 73.3687, 79.8985**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.2875, 37.4523, 48.3384** is the 20% darker color. If you saturate the color by 10%, you get **68.0180, 60.4592, 87.4427**, and if you desaturate by 10%, it is **79.9032, 84.2296, 91.4045**.

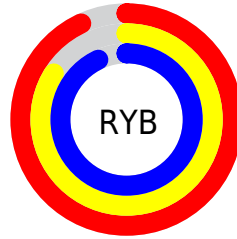
# Distribution



Red (93%)

Green (84%)

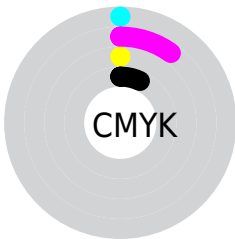
Blue (93%)



Red (93%)

Yellow (84%)

Blue (93%)

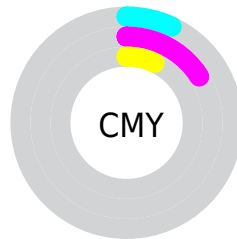


Cyan (0%)

Magenta (10%)

Yellow (0%)

Black (7%)



Cyan (7%)

Magenta (16%)


Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.5266, 71.4775, 89.2781 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 73.5266, 71.4775, 89.2781 by changing the saturation by 10% instead.




 73.5266, 71.4775,  
89.2781

 73.5266, 71.4775,  
89.2781


461.9135,  
465.7209, 546.1891

 54.6966, 52.7320,  
66.8117


123.2236,  
121.3134, 148.2620

 39.3917, 37.5888,  
48.4710


154.8213,  
153.1725, 185.6166

 27.2467, 25.6637,  
33.8374


191.4056,  
190.1716, 228.7710

 17.8961, 16.5722,  
22.4924

233.3418,  
232.6952, 278.1437

 10.9747, 9.9300,  
14.0174

280.9954,  
281.1274, 334.1534

 6.1170, 5.3526,  
7.9938

334.7316,

 2.9577, 2.4556,

335.8529, 397.2185

4.0033

394.9159,  
397.2559, 467.7575

■ 1.1314, 0.8543,  
1.6272

■ 0.0512, 0.0000,  
0.3101

■ 73.5266, 71.4775,  
89.2781

■ 73.5266, 71.4775,  
89.2781

■ 68.0180, 60.4592,  
87.4427

■ 79.9032, 84.2296,  
91.4045

■ 63.3339, 51.0910,  
85.8813

■ 85.4931, 95.4093,  
93.2679

■ 59.4366, 43.2964,  
84.5821

■ 85.4931, 95.4093,  
93.2679

■ 56.2829, 36.9891,  
83.5309

■ 85.4931, 95.4093,  
93.2680

53.8256, 32.0746,  
82.7117

85.4931, 95.4093,  
93.2680

52.0121, 28.4474,  
82.1071

85.4931, 95.4093,  
93.2681

50.7820, 25.9872,  
81.6971

85.4931, 95.4093,  
93.2681

50.0638, 24.5510,  
81.4576

85.4931, 95.4093,  
93.2682

49.7395, 23.9024,  
81.3495

85.4931, 95.4093,  
93.2682

# Harmonies

## Analogous

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



70.7811, 71.4775, 96.3951



73.5266, 71.4775, 89.2781



74.7767, 71.4775, 79.5120

# Triad

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



73.5266, 71.4775, 89.2781



68.5231, 71.4775, 60.3606



62.0867, 71.4775, 86.1400

# Complementary

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



73.5266, 71.4775, 89.2781



69.4490, 78.9430, 74.5317

# 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.



61.5280, 71.4775, 76.1657



73.5266, 71.4775, 89.2781



65.1706, 71.4775, 61.8107

# Square

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



73.5266, 71.4775, 89.2781



71.8261, 71.4775, 63.2567



62.6385, 71.4775, 67.3992



64.1913, 71.4775, 94.4783

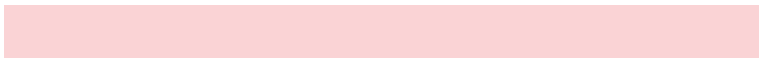


# Rectangle

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



73.5266, 71.4775, 89.2781



74.5642, 71.4775, 73.0154



62.6385, 71.4775, 67.3992



61.7150, 71.4775, 82.8452

# Sweetspot

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



73.5287, 71.4806, 89.2796



92.6579, 95.2158, 108.1026



66.3783, 67.7944, 88.9451



19.6993, 20.1134, 23.0940



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.



73.5287, 71.4806, 89.2796



86.0533, 82.0066, 105.9010



71.9111, 70.8336, 80.7616



15.7149, 15.3138, 19.0498



27.4134, 13.1680, 44.8395



2.1526, 1.0340, 3.5210



# Inverse Universe

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



73.5287, 71.4806, 89.2796



86.0533, 82.0066, 105.9010



70.9610, 79.5478, 82.4938



15.7149, 15.3138, 19.0498



27.4134, 13.1680, 44.8395

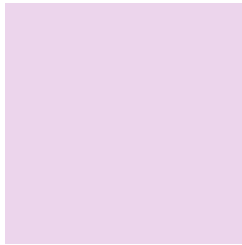


2.1526, 1.0340, 3.5210



# Previews

## White Background



This preview shows how the XYZ color 73.5266, 71.4775, 89.2781 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

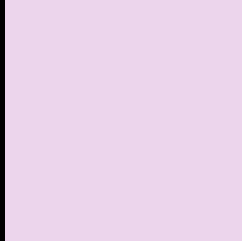
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.5266, 71.4775, 89.2781 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

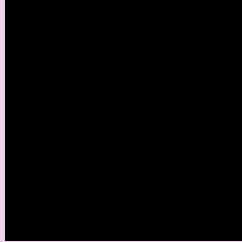
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 73.5266, 71.4775, 89.2781

## Background



This preview shows how black text looks on a background with the XYZ color 73.5266, 71.4775, 89.2781.



This preview shows how white text looks on a background with the XYZ color 73.5266, 71.4775,

89.2781.

# 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

73.5266, 71.4775, 89.2781

### Protanopia

69.8249, 71.8005, 91.8401

### Deuteranopia

73.1186, 71.6417, 89.3313



## Tritanopia

72.7313, 71.5248, 85.5736

# Trichromacy



## Original Color

73.5266, 71.4775, 89.2781

## Protanomaly

71.2968, 71.8063, 90.9912

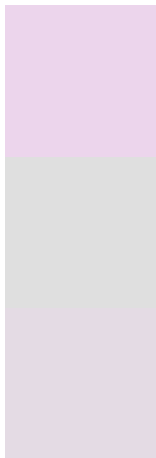
## Deuteranomaly

73.4478, 71.8114, 89.3468

## Tritanomaly

73.0155, 71.6385, 87.0701

# Monochromacy



## Original Color

73.5266, 71.4775, 89.2781

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

71.3300, 72.7585, 83.6831

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.5266, 71.4775, 89.2781 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(236, 213, 236)` looks like.

```
.text, #text, p{  
    color:rgb(236, 213, 236)  
}
```

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(236, 213, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 213, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 73.5266, 71.4775, 89.2781 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(236, 213, 236) }
```



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

```
.border{ border-color:rgb(236, 213, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 213, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 213, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 213, 236);  
box-shadow:4px 4px 4px 4px rgb(236, 213,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.5266, 71.4775, 89.2781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 213, 236) }
```

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

```
.background{ background-color: rgb(236,  
213, 236) }
```

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