

# Converting Colors

XYZ(74.0893, 73.4125, 88.4163)

Have a look what the booklet for  
XYZ(74.0893, 73.4125, 88.4163)  
contains.

<b>XYZ(73.9251, 73.2284, 88.0801)</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(73.9251, 73.2284,  
88.0801)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EBD9EA
RGB	235, 217, 234
RGB Percent	92%, 85%, 92%
CMY	0.0784, 0.1490, 0.0823
CMYK	0.00, 0.08, 0.00, 0.08
HSL	303°, 31%, 89%
HSV	303°, 8%, 92%
XYZ	73.9251, 73.2284, 88.0801
YIQ	224.3200, 5.2710, 9.1030

# Conversions

## Conversions Part 2

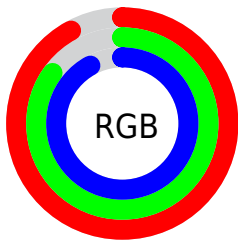
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	235, 217, 234
Decimal	15456746
CIE <sub>Lab</sub>	88.56, 9.15, -6.08
CIE <sub>LCh</sub>	89, 10.984, 326.370
Yxy	73.2284, 0.3143, 0.3113
Android (android.graphics.Color)	4293646826 (0xFFEBD9EA)
YUV	224.3200, 4.7722, 9.3664
Hunter-Lab	85.5736, 4.4483, -1.1251

# Details

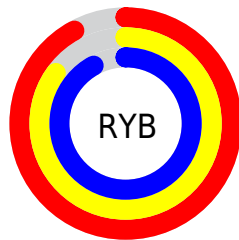
The XYZ color **73.9251, 73.2284, 88.0801** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.9813, 79.2324, 77.8858**, and the grayscale version is **71.0465, 74.7464, 81.3988**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.5466, 38.6387, 47.4932** is the 20% darker color. If you saturate the color by 10%, you get **68.1078, 61.8920, 85.2195**, and if you desaturate by 10%, it is **80.6105, 86.2967, 91.2387**.

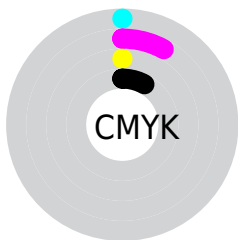
# Distribution



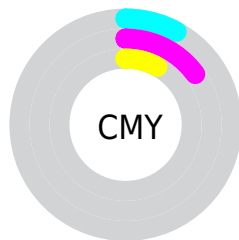
- Red (92%)
- Green (85%)
- Blue (92%)



- Red (92%)
- Yellow (85%)
- Blue (92%)



- Cyan (0%)
- Magenta (8%)
- Yellow (0%)
- Black (8%)




- Cyan (8%)
- Magenta (15%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.9251, 73.2284, 88.0801 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 73.9251, 73.2284, 88.0801 by changing the saturation by 10% instead.




 73.9251, 73.2284,  
88.0801

 73.9251, 73.2284,  
88.0801


463.2691,  
471.8060, 542.1736

 55.0238, 54.1627,  
65.8247


123.7857,  
123.8014, 146.5808

 39.6547, 38.7318,  
47.6745


155.4757,  
156.0775, 183.6632

 27.4524, 26.5511,  
33.2110


192.1593,  
193.5259, 226.5249

 18.0516, 17.2364,  
22.0157

234.2019,  
236.5310, 275.5846

 11.0870, 10.4032,  
13.6700

281.9688,  
285.4772, 331.2608

 6.1931, 5.6671,  
7.7554

335.8255,

 3.0046, 2.6437,

340.7488, 393.9720

3.8533

396.1371,  
402.7303, 464.1367

■ 1.1562, 0.9487,  
1.5452

■ 0.0714, 0.0000,  
0.2513

■ 73.9251, 73.2284,  
88.0801

■ 73.9251, 73.2284,  
88.0801

■ 68.1078, 61.8920,  
85.2195

■ 80.6105, 86.2967,  
91.2387

■ 63.1160, 52.2054,  
82.6400

■ 85.2511, 95.2743,  
93.7216

■ 58.9130, 44.0941,  
80.3302

■ 85.4423, 95.3508,  
94.7282

■ 55.4568, 37.4743,  
78.2761

■ 85.6348, 95.4278,  
95.7422

52.7015, 32.2542,  
76.4624

85.8288, 95.5054,  
96.7635

50.5964, 28.3320,  
74.8722

86.0241, 95.5835,  
97.7922

49.0835, 25.5922,  
73.4862

86.2209, 95.6622,  
98.8282

48.0949, 23.8990,  
72.2816

86.4190, 95.7415,  
99.8717

47.5392, 23.0691,  
71.2281

86.6186, 95.8213,  
100.9225

# Harmonies

## Analogous

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



71.8863, 73.2284, 93.5165



73.9251, 73.2284, 88.0801



74.8045, 73.2284, 80.6595

# Triad

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



73.9251, 73.2284, 88.0801



69.9240, 73.2284, 66.0550



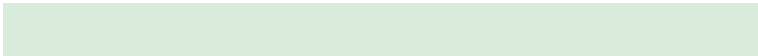
65.1409, 73.2284, 86.3834

# Complementary

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



73.9251, 73.2284, 88.0801



70.9813, 79.2324, 77.8858

# 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.



64.6453, 73.2284, 78.8142



73.9251, 73.2284, 88.0801



67.3655, 73.2284, 67.3756

# Square

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



73.9251, 73.2284, 88.0801



72.4579, 73.2284, 68.2036



65.4497, 73.2284, 71.9312



66.8210, 73.2284, 92.4942



# Rectangle

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



73.9251, 73.2284, 88.0801



74.5990, 73.2284, 75.6958



65.4497, 73.2284, 71.9312



64.8322, 73.2284, 83.9119

# Sweetspot

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



73.9272, 73.2316, 88.0817



93.3989, 96.7708, 108.1247



68.6950, 70.5176, 88.5891



20.0085, 20.7468, 23.1513



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.



73.9272, 73.2316, 88.0817



87.9560, 86.1395, 105.5256



72.6805, 72.7329, 81.5165



15.6766, 15.2985, 18.8480



26.4173, 12.7696, 39.5945



2.0855, 1.0072, 3.1674



# Inverse Universe

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



73.9272, 73.2316, 88.0817



87.9560, 86.1395, 105.5256



72.1775, 79.7108, 84.1847



15.6766, 15.2985, 18.8480



26.4173, 12.7696, 39.5945

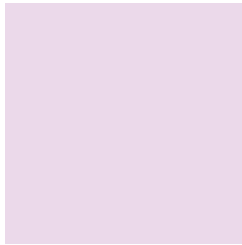


2.0855, 1.0072, 3.1674



# Previews

## White Background



This preview shows how the XYZ color 73.9251, 73.2284, 88.0801 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

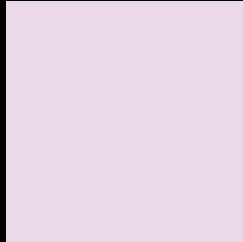
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.9251, 73.2284, 88.0801 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

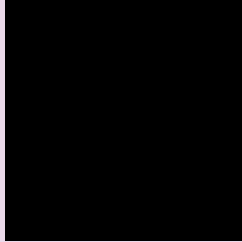
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 73.9251, 73.2284, 88.0801

## Background



This preview shows how black text looks on a background with the XYZ color 73.9251, 73.2284, 88.0801.



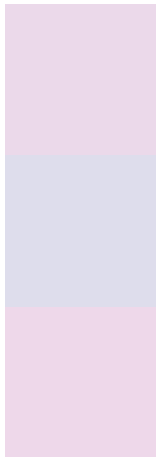
This preview shows how white text looks on a background with the XYZ color 73.9251, 73.2284,



# 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

73.9251, 73.2284, 88.0801

### Protanopia

71.1210, 73.2986, 89.7565

### Deuteranopia

74.6670, 73.2294, 88.0412



## Tritanopia

73.9251, 73.2284, 88.0801

# Trichromacy



## Original Color

73.9251, 73.2284, 88.0801

## Protanomaly

72.2671, 73.5155, 88.9783

## Deuteranomaly

74.3322, 73.0568, 88.0255

## Tritanomaly

73.9251, 73.2284, 88.0801

# Monochromacy



## Original Color

73.9251, 73.2284, 88.0801

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

71.8550, 73.8083, 83.8581

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.9251, 73.2284, 88.0801 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, 217, 234) looks like.

```
.text, #text, p{  
    color:rgb(235, 217, 234)  
}
```

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, 217, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 217, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 73.9251, 73.2284, 88.0801 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, 217, 234) }
```



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

```
.border{ border-color:rgb(235, 217, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 217, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 217, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 217, 234);  
box-shadow:4px 4px 4px 4px rgb(235, 217,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.9251, 73.2284, 88.0801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 217, 234) }
```

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

```
.background{ background-color: rgb(235,  
217, 234) }
```

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