

# Converting Colors

XYZ(77.1929, 77.7200, 85.7525)

Have a look what the booklet for  
XYZ(77.1929, 77.7200, 85.7525)  
contains.

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# Color

**XYZ(77.2142, 77.7253,  
85.7958)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1E0E6
RGB	241, 224, 230
RGB Percent	95%, 88%, 90%
CMY	0.0549, 0.1215, 0.0980
CMYK	0.00, 0.07, 0.05, 0.05
HSL	339°, 38%, 91%
HSV	339°, 7%, 95%
XYZ	77.2142, 77.7253, 85.7958
YIQ	229.7670, 8.2060, 5.4700

# Conversions

## Conversions Part 2

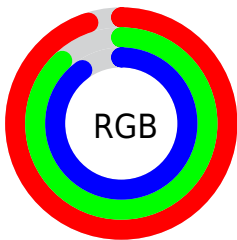
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	241, 224, 230
Decimal	15851750
CIE <sub>Lab</sub>	90.65, 6.82, -0.84
CIE <sub>LCh</sub>	91, 6.875, 352.976
Yxy	77.7253, 0.3207, 0.3229
Android (android.graphics.Color)	4294041830 (0xFFFF1E0E6)
YUV	229.7670, 0.1149, 9.8513
Hunter-Lab	88.1620, 2.0509, 4.0146

# Details

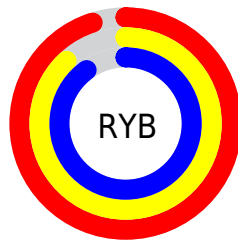
The XYZ color **77.2142, 77.7253, 85.7958** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.1941, 84.7580, 90.8927**, and the grayscale version is **75.0384, 78.9462, 85.9724**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9334, 41.7854, 46.4127** is the 20% darker color. If you saturate the color by 10%, you get **69.0977, 64.8416, 72.7628**, and if you desaturate by 10%, it is **86.4491, 92.5302, 100.1706**.

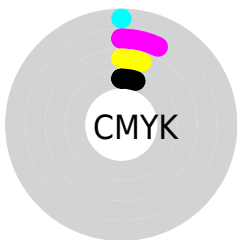
# Distribution



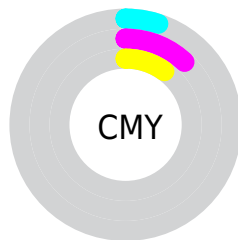
- Red (95%)
- Green (88%)
- Blue (90%)



- Red (95%)
- Yellow (88%)
- Blue (90%)



- Cyan (0%)
- Magenta (7%)
- Yellow (5%)
- Black (5%)



- Cyan (5%)
- Magenta (12%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2142, 77.7253, 85.7958 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 77.2142, 77.7253, 85.7958 by changing the saturation by 10% instead.



77.2142, 77.7253,  
85.7958

77.2142, 77.7253,  
85.7958

474.3748,  
487.2334, 534.4708

57.7292, 57.8483,  
63.9452

128.4130,  
130.1628, 143.3685

41.8334, 41.6867,  
46.1604

160.8576,  
163.4922, 179.9277

29.1614, 28.8561,  
32.0228

198.3528,  
202.0744, 222.2269

19.3479, 18.9720,  
21.1140

241.2639,  
246.2940, 270.6845

12.0274, 11.6500,  
13.0153

289.9563,  
296.5353, 325.7192

6.8347, 6.5058,  
7.3082

344.7953,

3.4043, 3.1550,

353.1827, 387.7494

3.5742

406.1464,  
416.6206, 457.1938

■ 1.3710, 1.2132,  
1.3948

■ 0.2354, 0.0724,  
0.1377

■ 77.2142, 77.7253,  
85.7958

■ 77.2142, 77.7253,  
85.7958

■ 69.0977, 64.8416,  
72.7628

■ 86.4491, 92.5302,  
100.1706

■ 62.0495, 53.7900,  
61.0268

■ 90.0860, 97.4410,  
108.6677

■ 56.0254, 44.4895,  
50.5478

■ 50.9754, 36.8492,  
41.2815

■ 46.8452, 30.7697,  
33.1811

■ 43.5748, 26.1409,  
26.1963

■ 41.0967, 22.8384,  
20.2724

■ 39.3324, 20.7161,  
15.3491

■ 38.1825, 19.5870,  
11.3566

# Harmonies

## Analogous

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



76.5535, 77.7253, 90.4751



77.2142, 77.7253, 85.7958



76.9693, 77.7253, 80.9782

# Triad

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



77.2142, 77.7253, 85.7958



72.5893, 77.7253, 76.1877



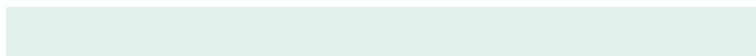
71.8977, 77.7253, 92.4366

# Complementary

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



77.2142, 77.7253, 85.7958



77.1941, 84.7580, 90.8927

# 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.



70.8659, 77.7253, 88.3892



77.2142, 77.7253, 85.7958



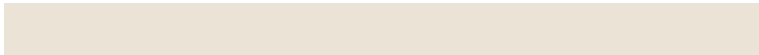
71.2609, 77.7253, 79.0415

# Square

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



77.2142, 77.7253, 85.7958



74.2816, 77.7253, 75.5538



70.6346, 77.7253, 83.4741



73.4710, 77.7253, 94.4046

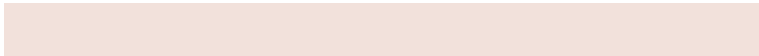


# Rectangle

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



77.2142, 77.7253, 85.7958



76.3272, 77.7253, 78.3224



70.6346, 77.7253, 83.4741



71.4770, 77.7253, 91.2667

# Sweetspot

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



77.2164, 77.7287, 85.7975



92.9176, 96.5783, 105.5899



76.7195, 77.2884, 94.0946



19.9105, 20.7076, 22.6354



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

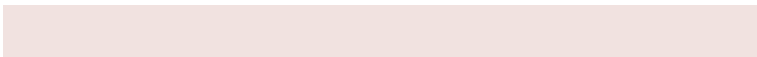
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.2164, 77.7287, 85.7975



86.8304, 86.8465, 96.0311



77.0017, 78.6238, 81.6426



16.0031, 15.8510, 17.5725



20.6190, 10.5200, 5.9103

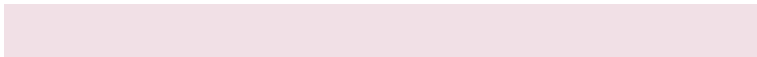


1.7609, 0.8934, 0.7318



# Inverse Universe

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



77.2164, 77.7287, 85.7975



86.8304, 86.8465, 96.0311



77.4087, 83.7772, 95.3108



16.0031, 15.8510, 17.5725



20.6190, 10.5200, 5.9103

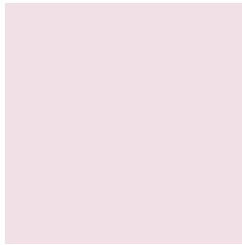


1.7609, 0.8934, 0.7318



# Previews

## White Background



This preview shows how the XYZ color 77.2142, 77.7253, 85.7958 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

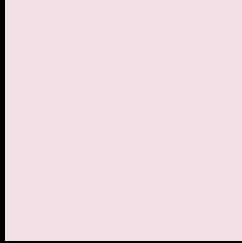
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.2142, 77.7253, 85.7958 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

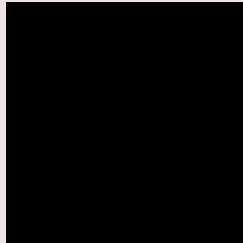
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

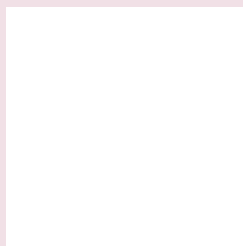
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 77.2142, 77.7253, 85.7958**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.2142, 77.7253, 85.7958.



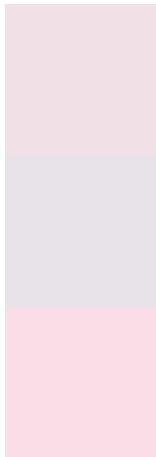
This preview shows how white text looks on a background with the XYZ color 77.2142, 77.7253,

85.7958.

# 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

77.2142, 77.7253, 85.7958

### Protanopia

74.9896, 77.7533, 87.3994

### Deuteranopia

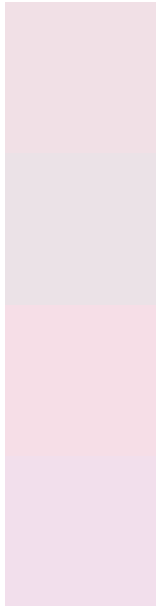
79.3472, 77.6222, 86.4018



## Tritanopia

78.4674, 77.4111, 93.2442

# Trichromacy



## Original Color

77.2142, 77.7253, 85.7958

## Protanomaly

75.8811, 77.8244, 86.6236

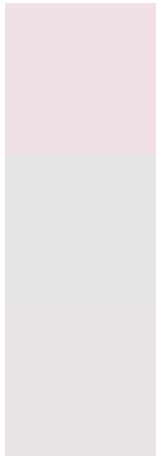
## Deuteranomaly

78.5511, 77.6049, 86.4405

## Tritanomaly

78.1459, 77.7087, 90.2374

# Monochromacy



## Original Color

77.2142, 77.7253, 85.7958

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

75.9580, 78.6924, 86.0486

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.2142, 77.7253, 85.7958 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(241, 224, 230) looks like.

```
.text, #text, p{  
    color:rgb(241, 224, 230)  
}
```

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(241, 224, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 224, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 77.2142, 77.7253, 85.7958 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(241, 224, 230) }
```



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

```
.border{ border-color:rgb(241, 224, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 224, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 224, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 224, 230);  
box-shadow:4px 4px 4px 4px rgb(241, 224,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.2142, 77.7253, 85.7958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 224, 230) }
```

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

```
.background{ background-color: rgb(241,  
224, 230) }
```

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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