

# Converting Colors

XYZ(76.9544, 76.0907, 91.2968)

Have a look what the booklet for  
XYZ(76.9544, 76.0907, 91.2968)  
contains.

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# Color

**XYZ(77.2242, 76.4112,  
91.5676)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0DDEE
RGB	240, 221, 238
RGB Percent	94%, 87%, 93%
CMY	0.0588, 0.1333, 0.0667
CMYK	0.00, 0.08, 0.01, 0.06
HSL	306°, 39%, 90%
HSV	306°, 8%, 94%
XYZ	77.2242, 76.4112, 91.5676
YIQ	228.6190, 5.8670, 9.3150

# Conversions

## Conversions Part 2

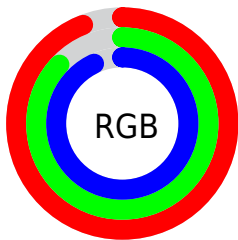
Format	Color
R <sub>Y</sub> B	240, 221, 238
Decimal	15785454
CIE Lab	90.05, 9.45, -5.94
CIE LCh	90, 11.159, 327.863
Yxy	76.4112, 0.3149, 0.3116
Android (android.graphics.Color)	4293975534 (0xFFFF0DDEE)
YUV	228.6190, 4.6248, 9.9811
Hunter-Lab	87.4135, 4.7196, -0.9182

# Details

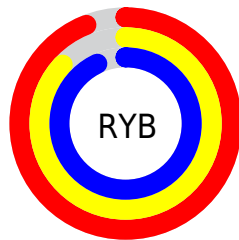
The XYZ color **77.2242, 76.4112, 91.5676** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.3010, 83.0220, 81.9247**, and the grayscale version is **74.1623, 78.0245, 84.9686**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8469, 40.8402, 49.9333** is the 20% darker color. If you saturate the color by 10%, you get **70.9672, 64.4861, 87.6640**, and if you desaturate by 10%, it is **84.3966, 90.1565, 95.8039**.

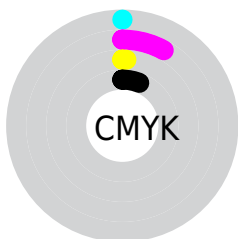
# Distribution



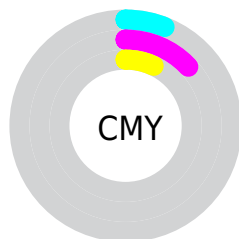
- Red (94%)
- Green (87%)
- Blue (93%)



- Red (94%)
- Yellow (87%)
- Blue (93%)



- Cyan (0%)
- Magenta (8%)
- Yellow (1%)
- Black (6%)



- Cyan (6%)
- Magenta (13%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2242, 76.4112, 91.5676 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 77.2242, 76.4112, 91.5676 by changing the saturation by 10% instead.



77.2242, 76.4112,  
91.5676

77.2242, 76.4112,  
91.5676

474.4083,  
482.7541, 553.8182

57.7375, 56.7698,  
68.7005

128.4271,  
128.3080, 151.4684

41.8401, 40.8204,  
49.9976

160.8739,  
161.3321, 189.3393

29.1666, 28.1788,  
35.0403

198.3715,  
199.5860, 233.0485

19.3518, 18.4605,  
23.4101

241.2853,  
243.4539, 283.0145

12.0303, 11.2811,  
14.6885

289.9804,  
293.3202, 339.6560

6.8367, 6.2562,  
8.4569

344.8224,

3.4056, 3.0015,

349.5695, 403.3914

4.2967

406.1766,  
412.5860, 474.6393

■ 1.3717, 1.1325,  
1.7895

■ 0.2359, 0.0055,  
0.4210

■ 77.2242, 76.4112,  
91.5676

■ 77.2242, 76.4112,  
91.5676

■ 70.9672, 64.4861,  
87.6640

■ 84.3966, 90.1565,  
95.8039

■ 65.5808, 54.2949,  
84.0753

■ 87.8816, 96.5199,  
98.8359

■ 61.0261, 45.7589,  
80.7893

■ 88.2661, 96.6737,  
100.8604

■ 57.2588, 38.7896,  
77.7912

■ 88.6558, 96.8296,  
102.9126

54.2306, 33.2902,  
75.0648

89.0508, 96.9876,  
104.9927

51.8877, 29.1531,  
72.5919

89.4511, 97.1477,  
107.1008

50.1689, 26.2561,  
70.3522

89.7456, 97.2655,  
108.6518

49.0022, 24.4553,  
68.3215

48.2892, 23.5538,  
66.4669

# Harmonies

## Analogous

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



75.1409, 76.4112, 97.4052



77.2242, 76.4112, 91.5676



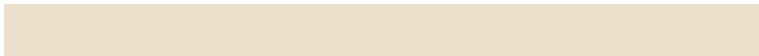
78.0724, 76.4112, 83.7680

# Triad

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



77.2242, 76.4112, 91.5676



72.8250, 76.4112, 68.8861



68.0251, 76.4112, 90.5231

# Complementary

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



77.2242, 76.4112, 91.5676



74.3010, 83.0220, 81.9247

# 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.



67.4400, 76.4112, 82.6322



77.2242, 76.4112, 91.5676



70.1690, 76.4112, 70.4456

# Square

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



77.2242, 76.4112, 91.5676



75.4927, 76.4112, 70.9551



68.2151, 76.4112, 75.3561



69.8338, 76.4112, 96.7757

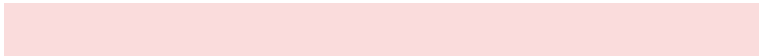


# Rectangle

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



77.2242, 76.4112, 91.5676



77.8075, 76.4112, 78.6131



68.2151, 76.4112, 75.3561



67.6808, 76.4112, 87.9595

# Sweetspot

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



77.2264, 76.4145, 91.5693



93.3582, 96.7545, 107.9102



71.9885, 73.6801, 92.8666



20.0002, 20.7434, 23.1076



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.



77.2264, 76.4145, 91.5693



87.7741, 86.0667, 104.5676



75.8812, 75.8764, 84.4854



16.3784, 16.0011, 19.5487



26.3968, 12.8311, 36.3355



2.2164, 1.0756, 3.1304



# Inverse Universe

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



77.2264, 76.4145, 91.5693



87.7741, 86.0667, 104.5676



75.6038, 83.5431, 88.7852



16.3784, 16.0011, 19.5487



26.3968, 12.8311, 36.3355

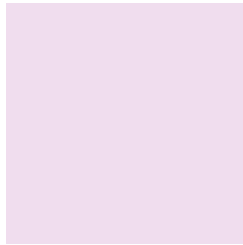


2.2164, 1.0756, 3.1304



# Previews

## White Background



This preview shows how the XYZ color 77.2242, 76.4112, 91.5676 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

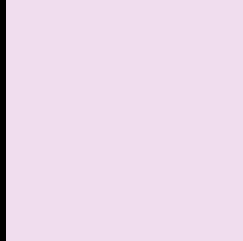
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.2242, 76.4112, 91.5676 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

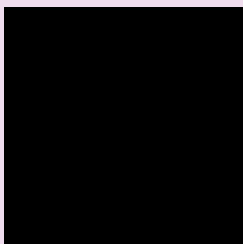
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.2242, 76.4112, 91.5676**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.2242, 76.4112, 91.5676.



This preview shows how white text looks on a background with the XYZ color 77.2242, 76.4112,

91.5676.

# 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

77.2242, 76.4112, 91.5676

### Protanopia

74.4810, 76.5322, 94.0657

### Deuteranopia

77.9880, 76.4141, 91.5279



## Tritanopia

77.2242, 76.4112, 91.5676

# Trichromacy



## Original Color

77.2242, 76.4112, 91.5676

## Protanomaly

75.6625, 76.7584, 93.2661

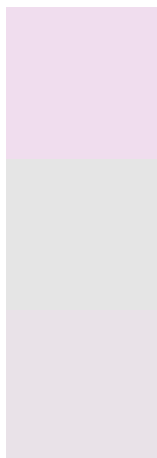
## Deuteranomaly

77.6438, 76.2367, 91.5118

## Tritanomaly

77.2242, 76.4112, 91.5676

# Monochromacy



## Original Color

77.2242, 76.4112, 91.5676

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

75.3661, 77.5425, 87.3389

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.2242, 76.4112, 91.5676 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(240, 221, 238) looks like.

```
.text, #text, p{  
    color:rgb(240, 221, 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(240, 221, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 221, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 77.2242, 76.4112, 91.5676 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(240, 221, 238) }
```



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

```
.border{ border-color:rgb(240, 221, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 221, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 221, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 221, 238);  
box-shadow:4px 4px 4px 4px rgb(240, 221,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.2242, 76.4112, 91.5676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 221, 238) }
```

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

```
.background{ background-color: rgb(240,  
221, 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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