

# Converting Colors

XYZ(69.7851, 63.0220, 84.7347)

Have a look what the booklet for  
XYZ(69.7851, 63.0220, 84.7347)  
contains.

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# Color

**XYZ(69.7925, 62.9350,  
84.8131)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F0C2E8
RGB	240, 194, 232
RGB Percent	94%, 76%, 91%
CMY	0.0588, 0.2392, 0.0902
CMYK	0.00, 0.19, 0.03, 0.06
HSL	310°, 61%, 85%
HSV	310°, 19%, 94%
XYZ	69.7925, 62.9350, 84.8131
YIQ	212.0860, 15.2180, 21.5700

# Conversions

## Conversions Part 2

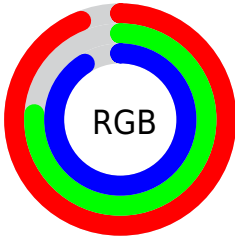
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 194, 232
Decimal	15778536
CIE Lab	83.41, 22.60, -12.63
CIE LCh	83, 25.891, 330.812
Yxy	62.9350, 0.3208, 0.2893
Android (android.graphics.Color)	4293968616 (0xFFFF0C2E8)
YUV	212.0860, 9.8176, 24.4806
Hunter-Lab	79.3316, 18.2063, -7.8546

# Details

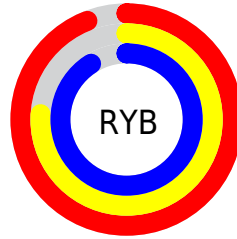
The XYZ color **69.7925, 62.9350, 84.8131** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **64.0714, 78.0557, 67.5701**, and the grayscale version is **62.5677, 65.8261, 71.6847**.

A 20% lighter version of the original color is **93.7872, 97.4744, 108.4791**, and **36.9817, 32.0811, 45.3174** is the 20% darker color. If you saturate the color by 10%, you get **64.2910, 52.8688, 80.0889**, and if you desaturate by 10%, it is **76.1744, 74.7376, 89.9018**.

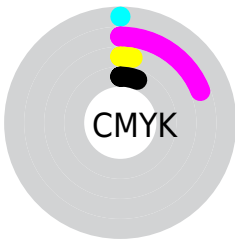
# Distribution



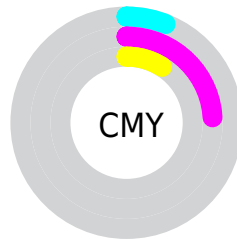
- Red (94%)
- Green (76%)
- Blue (91%)



- Red (94%)
- Yellow (76%)
- Blue (91%)



- Cyan (0%)
- Magenta (19%)
- Yellow (3%)
- Black (6%)



- Cyan (6%)
- Magenta (24%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7925, 62.9350, 84.8131 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 69.7925, 62.9350, 84.8131 by changing the saturation by 10% instead.



69.7925, 62.9350,  
84.8131

69.7925, 62.9350,  
84.8131

449.0989,  
435.3336, 531.1379

51.6364, 45.7886,  
63.1377

117.9407,  
109.0757, 141.9839

36.9384, 32.0791,  
45.5109

148.6634,  
138.8389, 178.3163

25.3333, 21.4219,  
31.5142

184.3058,  
173.5764, 220.3715

16.4556, 13.4327,  
20.7289

225.2331,  
213.6727, 268.5680

9.9400, 7.7272,  
12.7367

271.8107,  
259.5122, 323.3244

5.4211, 3.9209,  
7.1189

324.4040,

2.5337, 1.6294,

311.4792, 385.0591

3.4570

383.3782,  
369.9582, 454.1908

■ 0.9123, 0.3773,  
1.3325

■ 0.0000, 0.0000,  
0.0882

■ 69.7925, 62.9350,  
84.8131

■ 69.7925, 62.9350,  
84.8131

■ 64.2910, 52.8688,  
80.0889

■ 76.1744, 74.7376,  
89.9018

■ 59.6228, 44.4478,  
75.7107

■ 83.4698, 88.3453,  
95.3641

■ 55.7450, 37.5855,  
71.6646

■ 88.1047, 96.6091,  
100.0101

■ 52.6086, 32.1837,  
67.9336

■ 88.7477, 96.8664,  
103.3964

■ 50.1588, 28.1333,  
64.4991

■ 89.4053, 97.1294,  
106.8588

■ 48.3334, 25.3099,  
61.3398

■ 89.7457, 97.2656,  
108.6518

■ 47.0585, 23.5658,  
58.4306

■ 46.2205, 22.6743,  
55.7331

■ 46.1584, 22.6146,  
55.5135

# Harmonies

## Analogous

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



65.5457, 62.9350, 98.8067



69.7925, 62.9350, 84.8131



71.3283, 62.9350, 68.0863

# Triad

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



69.7925, 62.9350, 84.8131



59.6643, 62.9350, 41.9281



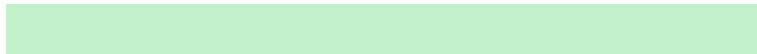
50.9799, 62.9350, 85.6950

# Complementary

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



69.7925, 62.9350, 84.8131



64.0714, 78.0557, 67.5701

# 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.



49.6175, 62.9350, 68.9666



69.7925, 62.9350, 84.8131



54.4337, 62.9350, 45.1649

# Square

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



69.7925, 62.9350, 84.8131



65.2632, 62.9350, 44.8324



50.8419, 62.9350, 54.4693



54.6841, 62.9350, 99.3695



# Rectangle

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



69.7925, 62.9350, 84.8131



70.5369, 62.9350, 58.0733



50.8419, 62.9350, 54.4693



50.2437, 62.9350, 80.1621

# Sweetspot

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



69.7944, 62.9378, 84.8144



89.9363, 90.4535, 105.0963



59.2897, 57.3881, 90.3915



19.1359, 19.1482, 22.4083



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.



69.7944, 62.9378, 84.8144



77.5097, 67.4782, 95.1645



66.7792, 61.7317, 68.9366



16.3294, 15.9815, 19.2906



25.3116, 12.3971, 30.6209



2.1364, 1.0436, 2.7091



# Inverse Universe

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



69.7944, 62.9378, 84.8144



77.5097, 67.4782, 95.1645



66.9556, 79.2094, 82.7580



16.3294, 15.9815, 19.2906



25.3116, 12.3971, 30.6209



2.1364, 1.0436, 2.7091



# Previews

## White Background



This preview shows how the XYZ color 69.7925, 62.9350, 84.8131 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

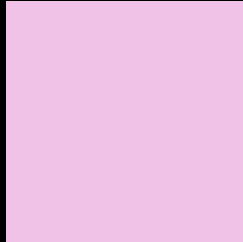
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.7925, 62.9350, 84.8131 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

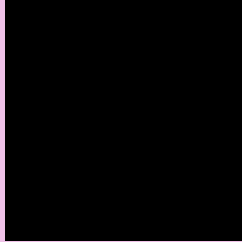
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 69.7925, 62.9350, 84.8131

## Background



This preview shows how black text looks on a background with the XYZ color 69.7925, 62.9350, 84.8131.



This preview shows how white text looks on a background with the XYZ color 69.7925, 62.9350,

84.8131.

# 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

69.7925, 62.9350, 84.8131

### Protanopia

62.1566, 62.9904, 91.3204

### Deuteranopia

64.3169, 62.8597, 83.6062



## Tritanopia

66.9015, 62.7411, 71.5349

# Trichromacy



## Original Color

69.7925, 62.9350, 84.8131

## Protanomaly

64.7255, 62.9544, 88.8608

## Deuteranomaly

66.2113, 62.7851, 84.2303

## Tritanomaly

67.9181, 62.8243, 76.2568

# Monochromacy



## Original Color

69.7925, 62.9350, 84.8131

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

64.7417, 64.3067, 76.0180

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.7925, 62.9350, 84.8131 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, 194, 232)` looks like.

```
.text, #text, p{  
    color:rgb(240, 194, 232)  
}
```

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, 194, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 194, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 69.7925, 62.9350, 84.8131 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, 194, 232) }
```



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

```
.border{ border-color:rgb(240, 194, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 194, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 194, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 194, 232);  
box-shadow:4px 4px 4px 4px rgb(240, 194,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.7925, 62.9350, 84.8131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 194, 232) }
```

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

```
.background{ background-color: rgb(240,  
194, 232) }
```

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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