

# Converting Colors

XYZ(70.9480, 63.6570, 85.2049)

Have a look what the booklet for XYZ(70.9480, 63.6570, 85.2049) contains.

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# Color

**XYZ(70.8194, 63.4645,  
84.8612)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3C2E8
RGB	243, 194, 232
RGB Percent	95%, 76%, 91%
CMY	0.0471, 0.2392, 0.0902
CMYK	0.00, 0.20, 0.05, 0.05
HSL	313°, 67%, 86%
HSV	313°, 20%, 95%
XYZ	70.8194, 63.4645, 84.8612
YIQ	212.9830, 17.0060, 22.2060

# Conversions

## Conversions Part 2

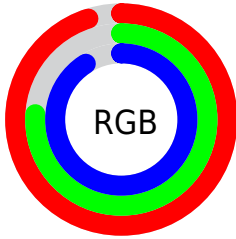
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	243, 194, 232
Decimal	15975144
CIE Lab	83.69, 23.61, -12.18
CIE LCh	84, 26.564, 332.705
Yxy	63.4645, 0.3232, 0.2896
Android (android.graphics.Color)	4294165224 (0xFFFF3C2E8)
YUV	212.9830, 9.3754, 26.3249
Hunter-Lab	79.6646, 19.2680, -7.3923

# Details

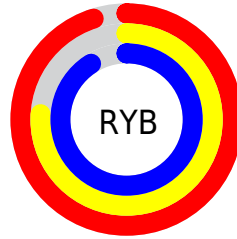
The XYZ color **70.8194, 63.4645, 84.8612** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **65.3207, 79.9800, 69.7562**, and the grayscale version is **63.1675, 66.4571, 72.3718**.

A 20% lighter version of the original color is **93.7872, 97.4744, 108.4791**, and **37.4643, 32.3299, 45.3400** is the 20% darker color. If you saturate the color by 10%, you get **65.0846, 53.2151, 79.1858**, and if you desaturate by 10%, it is **77.4663, 75.4977, 90.9607**.

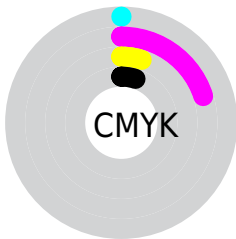
# Distribution



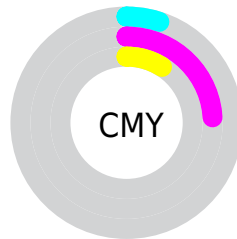
- Red (95%)
- Green (76%)
- Blue (91%)



- Red (95%)
- Yellow (76%)
- Blue (91%)



- Cyan (0%)
- Magenta (20%)
- Yellow (5%)
- Black (5%)




- Cyan (5%)
- Magenta (24%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.8194, 63.4645, 84.8612 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 70.8194, 63.4645, 84.8612 by changing the saturation by 10% instead.





 70.8194, 63.4645,  
84.8612

 70.8194, 63.4645,  
84.8612

452.6435,  
437.2533, 531.3013

 52.4768, 46.2171,  
63.1772


 119.3964,  
109.8394, 142.0517

 37.6111, 32.4172,  
45.5427


150.3616,  
139.7356, 178.3952

 25.8568, 21.6803,  
31.5390


186.2651,  
174.6169, 220.4624

 16.8487, 13.6222,  
20.7477

227.4721,  
214.8677, 268.6717

 10.2213, 7.8584,  
12.7503

274.3481,  
260.8723, 323.4417

 5.6093, 4.0045,  
7.1281

327.2585,

 2.6474, 1.6761,

313.0152, 385.1910

3.4627

386.5685,  
371.6807, 454.3380

■ 0.9702, 0.4081,  
1.3355

■ 0.0000, 0.0000,  
0.0906

■ 70.8194, 63.4645,  
84.8612

■ 70.8194, 63.4645,  
84.8612

■ 65.0846, 53.2151,  
79.1858

■ 77.4663, 75.4977,  
90.9607

■ 60.2132, 44.6551,  
73.9152

■ 85.0598, 89.3863,  
97.4949

■ 56.1602, 37.6942,  
69.0339

■ 89.7230, 97.3751,  
103.1730

■ 52.8744, 32.2304,  
64.5239

■ 90.5837, 97.7194,  
107.7054

■ 50.2987, 28.1496,  
60.3649

■ 90.7726, 97.7949,  
108.6998

■ 48.3678, 25.3216,  
56.5341

■ 47.0037, 23.5908,  
53.0043

■ 46.0877, 22.7050,  
49.7822

# Harmonies

## Analogous

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



66.5702, 63.4645, 99.7219



70.8194, 63.4645, 84.8612



72.2007, 63.4645, 67.6010

# Triad

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



70.8194, 63.4645, 84.8612



59.7947, 63.4645, 41.7837



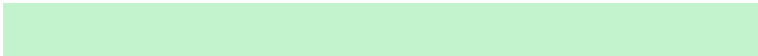
51.3882, 63.4645, 87.9001

# Complementary

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



70.8194, 63.4645, 84.8612



65.3207, 79.9800, 69.7562

# 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.



49.8217, 63.4645, 70.6252



70.8194, 63.4645, 84.8612



54.4759, 63.4645, 45.4952

# Square

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



70.8194, 63.4645, 84.8612



65.5984, 63.4645, 44.3604



50.9152, 63.4645, 55.4257



55.3348, 63.4645, 101.6653



# Rectangle

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



70.8194, 63.4645, 84.8612



71.2417, 63.4645, 57.4579



50.9152, 63.4645, 55.4257



50.5778, 63.4645, 82.2218

# Sweetspot

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



70.8213, 63.4673, 84.8626



89.8137, 90.4044, 104.4506



60.5434, 57.9826, 92.7957



19.1069, 19.1366, 22.2554



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.



70.8213, 63.4673, 84.8626



76.4034, 66.1210, 92.1586



67.6270, 62.1896, 68.0416



17.0451, 16.7009, 19.9840



25.3476, 12.4825, 27.6024



2.2660, 1.1123, 2.6269



# Inverse Universe

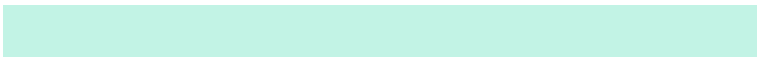
The Inverse Universe completely reimagines the original color for something new.



70.8213, 63.4673, 84.8626



76.4034, 66.1210, 92.1586



68.4601, 81.2358, 86.2878



17.0451, 16.7009, 19.9840



25.3476, 12.4825, 27.6024



2.2660, 1.1123, 2.6269



# Previews

## White Background



This preview shows how the XYZ color 70.8194, 63.4645, 84.8612 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

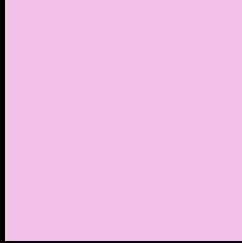
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.8194, 63.4645, 84.8612 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 70.8194, 63.4645, 84.8612**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.8194, 63.4645, 84.8612.



This preview shows how white text looks on a background with the XYZ color 70.8194, 63.4645,



# 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

70.8194, 63.4645, 84.8612

### Protanopia

62.6696, 63.6134, 91.4137

### Deuteranopia

64.8523, 63.4851, 83.6987



## Tritanopia

67.9117, 63.2619, 71.5822

# Trichromacy



## Original Color

70.8194, 63.4645, 84.8612

## Protanomaly

65.3200, 63.2609, 88.8886

## Deuteranomaly

67.0730, 63.5721, 84.3368

## Tritanomaly

68.9338, 63.3479, 76.3043

# Monochromacy



## Original Color

70.8194, 63.4645, 84.8612

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

65.7300, 65.1572, 76.8224

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.8194, 63.4645, 84.8612 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(243, 194, 232)` looks like.

```
.text, #text, p{  
    color:rgb(243, 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(243, 194, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 194, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 70.8194, 63.4645, 84.8612 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(243, 194, 232) }
```



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

```
.border{ border-color:rgb(243, 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(243, 194, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 194, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 194, 232);  
box-shadow:4px 4px 4px 4px rgb(243, 194,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.8194, 63.4645, 84.8612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 194, 232) }
```

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

```
.background{ background-color: rgb(243,  
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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