

# Converting Colors

XYZ(80.6772, 77.8817, 87.6618)

Have a look what the booklet for  
XYZ(80.6772, 77.8817, 87.6618)  
contains.

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# Color

**XYZ(80.8092, 77.9522,  
87.8780)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDDCE9
RGB	253, 220, 233
RGB Percent	99%, 86%, 91%
CMY	0.0078, 0.1372, 0.0863
CMYK	0.00, 0.13, 0.08, 0.01
HSL	336°, 89%, 93%
HSV	336°, 13%, 99%
XYZ	80.8092, 77.9522, 87.8780
YIQ	231.3490, 15.4950, 11.0390

# Conversions

## Conversions Part 2

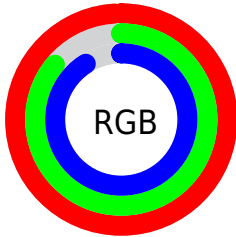
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	253, 220, 233
Decimal	16637161
CIE <sub>Lab</sub>	90.76, 13.51, -2.14
CIE <sub>LCh</sub>	91, 13.677, 350.979
Yxy	77.9522, 0.3276, 0.3161
Android (android.graphics.Color)	4294827241 (0xFFFDCE9)
YUV	231.3490, 0.8139, 18.9879
Hunter-Lab	88.2905, 8.8663, 2.7904

# Details

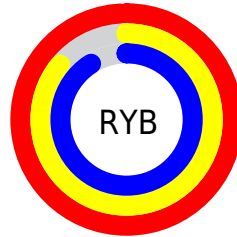
The XYZ color **80.8092, 77.9522, 87.8780** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **80.3717, 91.7595, 95.9178**, and the grayscale version is **76.2034, 80.1720, 87.3073**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1559, 41.8204, 47.3398** is the 20% darker color. If you saturate the color by 10%, you get **72.5690, 64.8258, 74.7887**, and if you desaturate by 10%, it is **90.2491, 93.1712, 102.3084**.

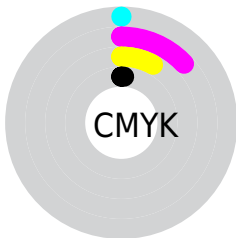
# Distribution



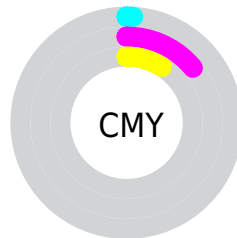
- Red (99%)
- Green (86%)
- Blue (91%)



- Red (99%)
- Yellow (86%)
- Blue (91%)



- Cyan (0%)
- Magenta (13%)
- Yellow (8%)
- Black (1%)




- Cyan (1%)
- Magenta (14%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.8092, 77.9522, 87.8780 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 80.8092, 77.9522, 87.8780 by changing the saturation by 10% instead.




 80.8092, 77.9522,  
87.8780

 80.8092, 77.9522,  
87.8780

486.3508,  
488.0045, 541.4946

 60.6952, 58.0347,  
65.6583


133.4474,  
130.4827, 146.2969

 44.2309, 41.8366,  
47.5403


166.7023,  
163.8646, 183.3332

 31.0507, 28.9733,  
33.1056


205.0683,  
202.5033, 226.1455

 20.7895, 19.0606,  
21.9356

248.9106,  
246.7834, 275.1522

 13.0818, 11.7141,  
13.6117

298.5947,  
297.0891, 330.7719

 7.5623, 6.5493,  
7.7154

354.4858,

 3.8656, 3.1819,

353.8050, 393.4232

3.8283

416.9494,  
417.3153, 463.5246

■ 1.6264, 1.2274,  
1.5316

■ 0.4095, 0.0839,  
0.2413

■ 80.8092, 77.9522,  
87.8780

■ 80.8092, 77.9522,  
87.8780

■ 72.5690, 64.8258,  
74.7887

■ 90.2491, 93.1712,  
102.3084

■ 65.4719, 53.6899,  
62.9952

■ 94.3185, 99.6229,  
108.8658

■ 59.4669, 44.4490,  
52.4565

■ 54.4960, 36.9958,  
43.1275

■ 50.4956, 31.2119,  
34.9600

■ 47.3950, 26.9648,  
27.9019

■ 45.1125, 24.1012,  
21.8961

■ 43.5503, 22.4355,  
16.8781

■ 42.7917, 21.7962,  
13.9191

# Harmonies

## Analogous

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



79.3432, 77.9522, 97.3548



80.8092, 77.9522, 87.8780



80.4324, 77.9522, 78.2815

# Triad

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



80.8092, 77.9522, 87.8780



71.7511, 77.9522, 68.4082



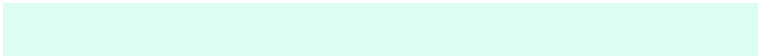
70.0092, 77.9522, 100.4407

# Complementary

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



80.8092, 77.9522, 87.8780



80.3717, 91.7595, 95.9178

# 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.



68.0924, 77.9522, 91.8323



80.8092, 77.9522, 87.8780



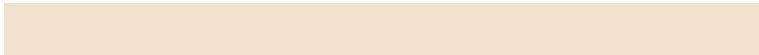
69.0763, 77.9522, 73.5132

# Square

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



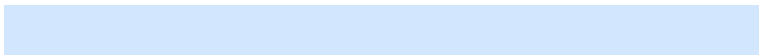
80.8092, 77.9522, 87.8780



75.1319, 77.9522, 67.5285



67.7563, 77.9522, 81.9445



73.0602, 77.9522, 104.9674

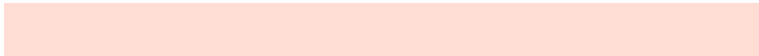


# Rectangle

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



80.8092, 77.9522, 87.8780



79.1914, 77.9522, 73.0641



67.7563, 77.9522, 81.9445



69.2149, 77.9522, 97.8984

# Sweetspot

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



80.8114, 77.9556, 87.8797



90.9023, 93.2720, 102.6855



79.1929, 76.7722, 103.5742



19.2947, 19.7017, 21.7341



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

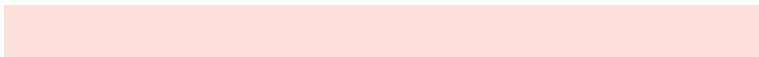
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8114, 77.9556, 87.8797



79.6580, 75.1828, 85.3749



79.8969, 78.9892, 78.7496



18.3056, 18.1056, 20.2267



22.8300, 11.6213, 7.7552



2.2748, 1.1523, 1.0284



# Inverse Universe

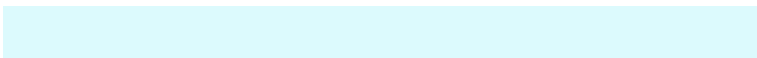
The Inverse Universe completely reimagines the original color for something new.



80.8114, 77.9556, 87.8797



79.6580, 75.1828, 85.3749



81.3398, 90.4945, 106.1097



18.3056, 18.1056, 20.2267



22.8300, 11.6213, 7.7552

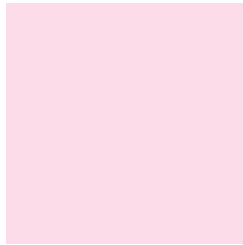


2.2748, 1.1523, 1.0284



# Previews

## White Background



This preview shows how the XYZ color 80.8092, 77.9522, 87.8780 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

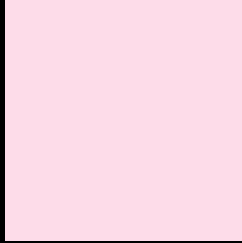
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.8092, 77.9522, 87.8780 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

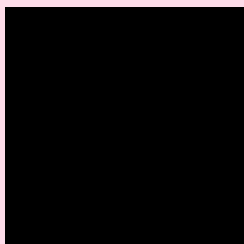
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 80.8092, 77.9522, 87.8780**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.8092, 77.9522, 87.8780.



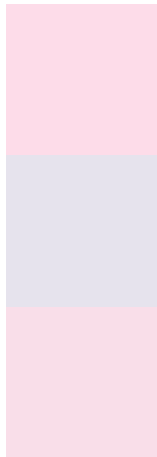
This preview shows how white text looks on a background with the XYZ color 80.8092, 77.9522,

87.8780.

# 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

80.8092, 77.9522, 87.8780

### Protanopia

75.3883, 77.8756, 91.1789

### Deuteranopia

79.8962, 78.2655, 87.9866



## Tritanopia

81.1256, 77.6601, 90.8349

# Trichromacy



## Original Color

80.8092, 77.9522, 87.8780

## Protanomaly

77.0559, 77.5446, 90.2632

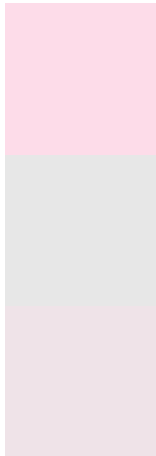
## Deuteranomaly

79.9888, 77.9201, 87.9150

## Tritanomaly

80.9799, 77.6018, 90.0674

# Monochromacy



## Original Color

80.8092, 77.9522, 87.8780

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

77.6312, 79.1151, 87.5231

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.8092, 77.9522, 87.8780 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(253, 220, 233)` looks like.

```
.text, #text, p{  
    color:rgb(253, 220, 233)  
}
```

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(253, 220, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 220, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 80.8092, 77.9522, 87.8780 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(253, 220, 233) }
```



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

```
.border{ border-color:rgb(253, 220, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 220, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 220, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 220, 233);  
box-shadow:4px 4px 4px 4px rgb(253, 220,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.8092, 77.9522, 87.8780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 220, 233) }
```

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

```
.background{ background-color: rgb(253,  
220, 233) }
```

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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