

# Converting Colors

XYZ(87.3633, 77.9126, 82.7896)

Have a look what the booklet for  
XYZ(87.3633, 77.9126, 82.7896)  
contains.

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# Color

**XYZ(78.3994, 73.3946,  
82.7075)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD3E3
RGB	255, 211, 227
RGB Percent	100%, 83%, 89%
CMY	0.0000, 0.1725, 0.1098
CMYK	0.00, 0.17, 0.11, 0.00
HSL	338°, 100%, 91%
HSV	338°, 17%, 100%
XYZ	78.3994, 73.3946, 82.7075
YIQ	225.9800, 21.0880, 14.3040

# Conversions

## Conversions Part 2

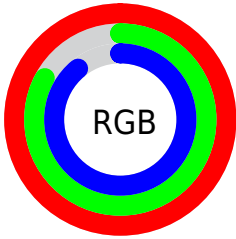
Format	Color
R <sub>Y</sub> B	255, 211, 227
Decimal	16765923
CIE Lab	88.64, 17.90, -2.08
CIE LCh	89, 18.021, 353.379
Yxy	73.3946, 0.3343, 0.3130
Android (android.graphics.Color)	4294956003 (0xFFFFD3E3)
YUV	225.9800, 0.5029, 25.4505
Hunter-Lab	85.6706, 13.4263, 2.7302

# Details

The XYZ color **78.3994, 73.3946, 82.7075** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **78.2064, 91.6021, 95.2240**, and the grayscale version is **72.2616, 76.0249, 82.7911**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.6236, 38.7613, 44.2649** is the 20% darker color. If you saturate the color by 10%, you get **70.4244, 60.8618, 69.5144**, and if you desaturate by 10%, it is **87.5938, 88.0277, 97.3507**.

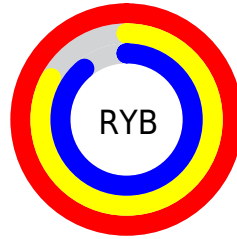
# Distribution



Red (100%)

Green (83%)

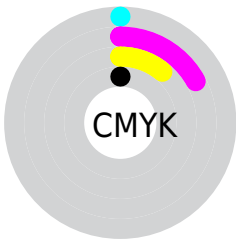
Blue (89%)



Red (100%)

Yellow (83%)

Blue (89%)

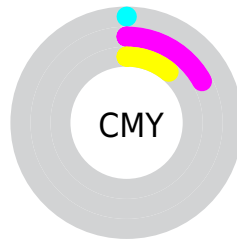


Cyan (0%)

Magenta (17%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (17%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.3994, 73.3946, 82.7075 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 78.3994, 73.3946, 82.7075 by changing the saturation by 10% instead.




 78.3994, 73.3946,  
82.7075

 78.3994, 73.3946,  
82.7075


478.3413,  
472.3813, 523.9566

 58.7061, 54.2987,  
61.4097


130.0754,  
124.0372, 139.0113

 42.6220, 38.8405,  
44.1232


162.7887,  
156.3527, 174.8543

 29.7819, 26.6357,  
30.4294


200.5728,  
193.8436, 216.3828

 19.8203, 17.2998,  
19.9100

243.7929,  
236.8941, 264.0154

 12.3720, 10.4485,  
12.1462

292.8145,  
285.8888, 318.1705

 7.0716, 5.6973,  
6.7196

348.0028,

 3.5536, 2.6619,

341.2119, 379.2667

3.2116

409.7233,  
403.2480, 447.7226

■ 1.4528, 0.9579,  
1.2037

■ 0.2934, 0.0000,  
0.0000

■ 78.3994, 73.3946,  
82.7075

■ 78.3994, 73.3946,  
82.7075

■ 70.4244, 60.8618,  
69.5144

■ 87.5938, 88.0277,  
97.3507

■ 63.6107, 50.3232,  
57.7205

95.0500, 100.0000,  
108.9000

■ 57.9028, 41.6775,  
47.2784

■ 53.2386, 34.8103,  
38.1359

■ 49.5494, 29.5951,  
30.2371

■ 46.7578, 25.8885,  
23.5214

■ 44.7735, 23.5218,  
17.9216

■ 43.4817, 22.2784,  
13.3597

■ 43.2031, 22.0452,  
12.2675

# Harmonies

## Analogous

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



76.6880, 73.3946, 95.0676



78.3994, 73.3946, 82.7075



77.7196, 73.3946, 70.7834

# Triad

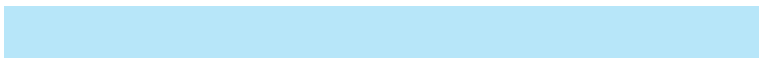
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.3994, 73.3946, 82.7075



66.4937, 73.3946, 59.8866



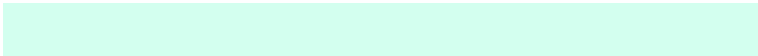
64.8893, 73.3946, 100.7165

# Complementary

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



78.3994, 73.3946, 82.7075



78.2064, 91.6021, 95.2240

# 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.



62.3621, 73.3946, 89.7984



78.3994, 73.3946, 82.7075



63.2611, 73.3946, 66.4632

# Square

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



78.3994, 73.3946, 82.7075



70.7280, 73.3946, 58.4086



61.7786, 73.3946, 77.1846



68.7996, 73.3946, 106.1404

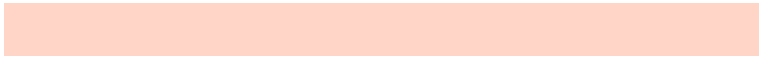


# Rectangle

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



78.3994, 73.3946, 82.7075



76.0152, 73.3946, 64.5693



61.7786, 73.3946, 77.1846



63.8565, 73.3946, 97.5160

# Sweetspot

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



78.4011, 73.3977, 82.7090



89.8374, 91.6215, 100.8530



76.8981, 72.1395, 104.4791



19.0776, 19.3682, 21.3511



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.



78.4011, 73.3977, 82.7090



75.2722, 68.4596, 77.5973



77.7785, 75.5232, 72.1101



18.2823, 18.0962, 20.1038



22.6396, 11.5452, 6.7528



2.2546, 1.1442, 0.9220



# Inverse Universe

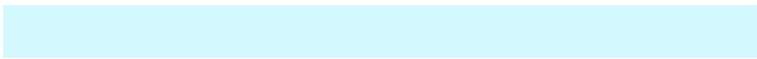
The Inverse Universe completely reimagines the original color for something new.



78.4011, 73.3977, 82.7090



75.2722, 68.4596, 77.5973



78.8329, 88.9041, 107.6130



18.2823, 18.0962, 20.1038



22.6396, 11.5452, 6.7528

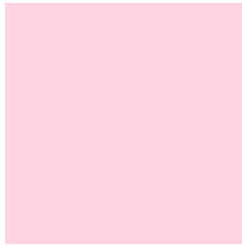


2.2546, 1.1442, 0.9220



# Previews

## White Background



This preview shows how the XYZ color 78.3994, 73.3946, 82.7075 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

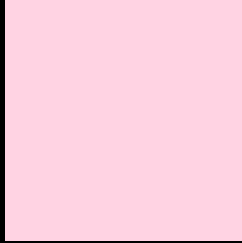
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.3994, 73.3946, 82.7075 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

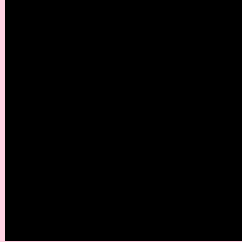
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 78.3994, 73.3946, 82.7075**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.3994, 73.3946, 82.7075.



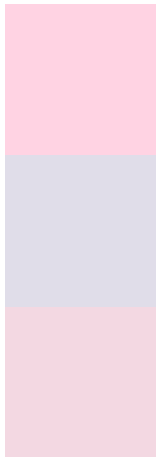
This preview shows how white text looks on a background with the XYZ color 78.3994, 73.3946,



# 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

78.3994, 73.3946, 82.7075

### Protanopia

71.3049, 73.4434, 87.5086

### Deuteranopia

75.2455, 73.6574, 82.2029



## Tritanopia

78.3994, 73.3946, 82.7075

# Trichromacy



## Original Color

78.3994, 73.3946, 82.7075

## Protanomaly

73.4976, 73.0574, 85.8291

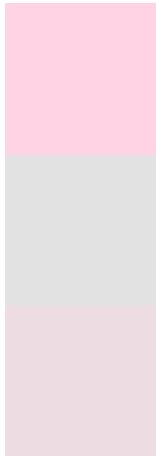
## Deuteranomaly

76.1318, 73.3583, 82.0985

## Tritanomaly

78.3994, 73.3946, 82.7075

# Monochromacy



## Original Color

78.3994, 73.3946, 82.7075

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

74.5090, 75.2084, 82.5411

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.3994, 73.3946, 82.7075 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(255, 211, 227) looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 227)  
}
```

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(255, 211, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 78.3994, 73.3946, 82.7075 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(255, 211, 227) }
```



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

```
.border{ border-color:rgb(255, 211, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 211, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 211, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 211, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 211,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.3994, 73.3946, 82.7075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 211, 227) }
```

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

```
.background{ background-color: rgb(255,  
211, 227) }
```

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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