

# Converting Colors

XYZ(77.8201, 75.2781, 86.5336)

Have a look what the booklet for  
XYZ(77.8201, 75.2781, 86.5336)  
contains.

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# Color

**XYZ(77.7361, 75.2261,  
86.7669)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7D9E8
RGB	247, 217, 232
RGB Percent	97%, 85%, 91%
CMY	0.0314, 0.1490, 0.0902
CMYK	0.00, 0.12, 0.06, 0.03
HSL	330°, 65%, 91%
HSV	330°, 12%, 97%
XYZ	77.7361, 75.2261, 86.7669
YIQ	227.6800, 13.0650, 11.0250

# Conversions

## Conversions Part 2

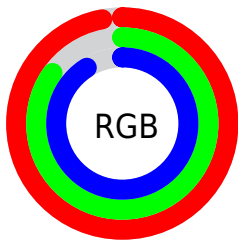
Format	Color
<a href="#">RYB</a>	<a href="#">247, 217, 232</a>
Decimal	<a href="#">16243176</a>
CIELab	<a href="#">89.50, 12.85, -3.53</a>
CIELCh	<a href="#">89, 13.329, 344.653</a>
Yxy	<a href="#">75.2261, 0.3243, 0.3138</a>
Android (android.graphics.Color)	<a href="#">4294433256</a> ( <a href="#">0xFFFF7D9E8</a> )
YUV	<a href="#">227.6800, 2.1298, 16.9436</a>
Hunter-Lab	<a href="#">86.7330, 8.2013, 1.3999</a>

# Details

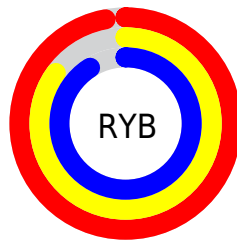
The XYZ color **77.7361, 75.2261, 86.7669** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **76.4444, 87.1014, 89.1313**, and the grayscale version is **73.4891, 77.3163, 84.1974**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2427, 40.0516, 46.5786** is the 20% darker color. If you saturate the color by 10%, you get **70.1469, 62.7568, 75.8833**, and if you desaturate by 10%, it is **86.4057, 89.6569, 98.6209**.

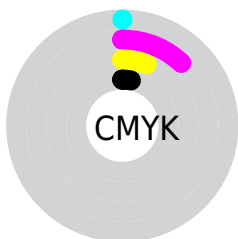
# Distribution



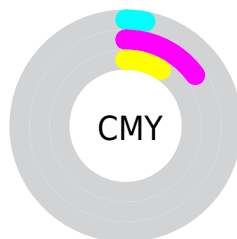
- Red (97%)
- Green (85%)
- Blue (91%)



- Red (97%)
- Yellow (85%)
- Blue (91%)



- Cyan (0%)
- Magenta (12%)
- Yellow (6%)
- Black (3%)



- Cyan (3%)
- Magenta (15%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.7361, 75.2261, 86.7669 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 77.7361, 75.2261, 86.7669 by changing the saturation by 10% instead.



77.7361, 75.2261,  
86.7669

77.7361, 75.2261,  
86.7669

476.1237,  
478.6943, 537.7529

58.1592, 55.7981,  
64.7438

129.1454,  
126.6324, 144.7352

42.1804, 40.0411,  
46.8033

161.7085,  
159.3795, 181.5175

29.4343, 27.5706,  
32.5270

199.3311,  
197.3351, 224.0565

19.5556, 18.0022,  
21.4962

242.3785,  
240.8835, 272.7710

12.1788, 10.9516,  
13.2924

291.2162,  
290.4093, 328.0793

6.9386, 6.0343,  
7.4971

346.2093,

3.4697, 2.8659,

346.2968, 390.4000

3.6918

407.7234,  
408.9303, 460.1517

■ 1.4068, 1.0621,  
1.4578

■ 0.2610, 0.0000,  
0.1862

■ 77.7361, 75.2261,  
86.7669

■ 77.7361, 75.2261,  
86.7669

■ 70.1469, 62.7568,  
75.8833

■ 86.4057, 89.6569,  
98.6209

■ 63.5871, 52.1538,  
65.9380

■ 92.1682, 98.5144,  
108.7651

■ 58.0107, 43.3286,  
56.9037

■ 53.3659, 36.1817,  
48.7498

■ 49.5957, 30.6036,  
41.4438

■ 46.6365, 26.4716,  
34.9501

■ 44.4153, 23.6446,  
29.2295

■ 42.8446, 21.9526,  
24.2374

■ 41.9637, 21.2166,  
20.7815

# Harmonies

## Analogous

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



76.0105, 75.2261, 95.3967



77.7361, 75.2261, 86.7669



77.7569, 75.2261, 77.4374

# Triad

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



77.7361, 75.2261, 86.7669



69.9215, 75.2261, 65.6940



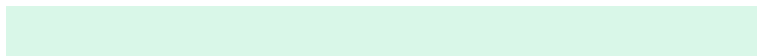
67.1202, 75.2261, 95.2262

# Complementary

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



77.7361, 75.2261, 86.7669



76.4444, 87.1014, 89.1313

# 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.



65.5884, 75.2261, 86.5483



77.7361, 75.2261, 86.7669



67.1719, 75.2261, 69.7556

# Square

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



77.7361, 75.2261, 86.7669



73.1771, 75.2261, 65.7427



65.6069, 75.2261, 77.2348



69.8491, 75.2261, 100.5282

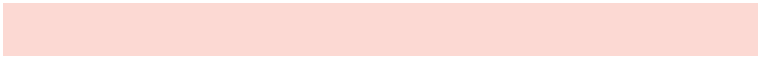


# Rectangle

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



77.7361, 75.2261, 86.7669



76.7977, 75.2261, 72.0908



65.6069, 75.2261, 77.2348



66.4520, 75.2261, 92.5793

# Sweetspot

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



77.7383, 75.2294, 86.7685



91.0715, 93.3397, 103.5761



74.8829, 73.5006, 98.2369



19.3375, 19.7188, 21.9593



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

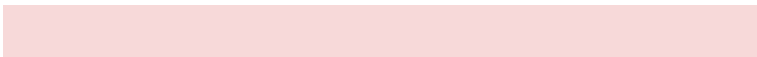
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.7383, 75.2294, 86.7685



81.1102, 76.8056, 89.8097



75.6977, 74.4132, 76.0232



16.8447, 16.6207, 18.9286



22.2647, 11.2493, 11.3682



2.0087, 1.0095, 1.2723



# Inverse Universe

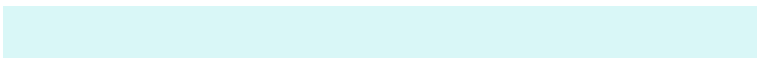
The Inverse Universe completely reimagines the original color for something new.



77.7383, 75.2294, 86.7685



81.1102, 76.8056, 89.8097



78.6668, 87.9903, 100.8343



16.8447, 16.6207, 18.9286



22.2647, 11.2493, 11.3682

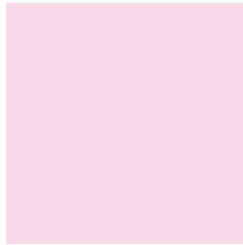


2.0087, 1.0095, 1.2723



# Previews

## White Background



This preview shows how the XYZ color 77.7361, 75.2261, 86.7669 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

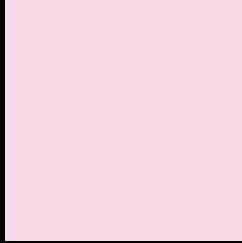
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.7361, 75.2261, 86.7669 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 77.7361, 75.2261, 86.7669**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.7361, 75.2261, 86.7669.



This preview shows how white text looks on a background with the XYZ color 77.7361, 75.2261,



# 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

77.7361, 75.2261, 86.7669

### Protanopia

73.1600, 75.5362, 90.0809

### Deuteranopia

76.9451, 75.2021, 86.8039



## Tritanopia

78.0219, 75.3404, 88.2719

# Trichromacy



## Original Color

77.7361, 75.2261, 86.7669

## Protanomaly

74.7835, 75.2035, 89.1715

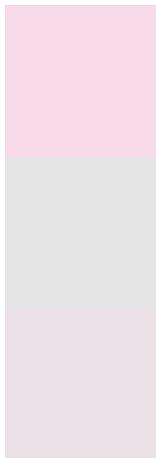
## Deuteranomaly

77.2931, 75.3815, 86.8202

## Tritanomaly

77.8786, 75.2831, 87.5172

# Monochromacy



## Original Color

77.7361, 75.2261, 86.7669

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

75.0595, 76.6306, 84.9639

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.7361, 75.2261, 86.7669 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(247, 217, 232) looks like.

```
.text, #text, p{  
    color:rgb(247, 217, 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(247, 217, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 217, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 77.7361, 75.2261, 86.7669 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(247, 217, 232) }
```



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

```
.border{ border-color:rgb(247, 217, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 217, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 217, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 217, 232);  
box-shadow:4px 4px 4px 4px rgb(247, 217,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.7361, 75.2261, 86.7669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 217, 232) }
```

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

```
.background{ background-color: rgb(247,  
217, 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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