

# Converting Colors

XYZ(77.9285, 72.4586, 82.5328)

Have a look what the booklet for  
XYZ(77.9285, 72.4586, 82.5328)  
contains.

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# Color

**XYZ(77.9056, 72.4070,  
82.5429)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD1E3
RGB	255, 209, 227
RGB Percent	100%, 82%, 89%
CMY	0.0000, 0.1804, 0.1098
CMYK	0.00, 0.18, 0.11, 0.00
HSL	337°, 100%, 91%
HSV	337°, 18%, 100%
XYZ	77.9056, 72.4070, 82.5429
YIQ	224.8060, 21.6380, 15.3500

# Conversions

## Conversions Part 2

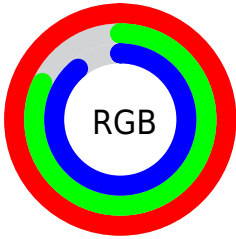
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 209, 227
Decimal	16765411
CIE <sub>Lab</sub>	88.16, 18.95, -2.77
CIE <sub>LCh</sub>	88, 19.147, 351.683
Yxy	72.4070, 0.3346, 0.3110
Android (android.graphics.Color)	4294955491 (0xFFFFD1E3)
YUV	224.8060, 1.0816, 26.4801
Hunter-Lab	85.0923, 14.5128, 2.0510

# Details

The XYZ color **77.9056, 72.4070, 82.5429** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **77.3430, 91.1909, 93.6496**, and the grayscale version is **71.4118, 75.1308, 81.8175**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2907, 38.0955, 44.1539** is the 20% darker color. If you saturate the color by 10%, you get **70.0960, 60.0633, 69.8418**, and if you desaturate by 10%, it is **86.9130, 86.8366, 96.5983**.

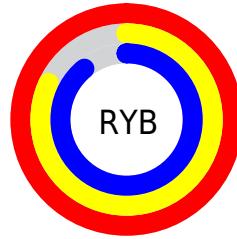
# Distribution



Red (100%)

Green (82%)

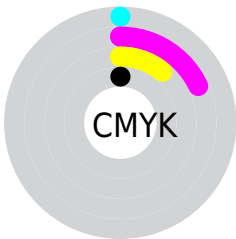
Blue (89%)



Red (100%)

Yellow (82%)

Blue (89%)

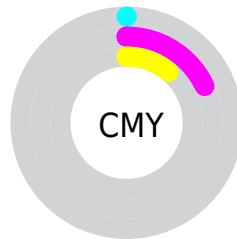


Cyan (0%)

Magenta (18%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (18%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9056, 72.4070, 82.5429 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 77.9056, 72.4070, 82.5429 by changing the saturation by 10% instead.




 77.9056, 72.4070,  
82.5429

 77.9056, 72.4070,  
82.5429


476.6909,  
468.9570, 523.3929

 58.2989, 53.4912,  
61.2747


129.3831,  
122.6350, 138.7786

 42.2932, 38.1951,  
44.0149


161.9847,  
154.7160, 174.5831

 29.5231, 26.1341,  
30.3450

199.6486,  
191.9542, 216.0703

 19.6231, 16.9240,  
19.8463

242.7402,  
234.7340, 263.6585

 12.2281, 10.1803,  
12.1004

291.6249,  
283.4398, 317.7663

 6.9725, 5.5187,  
6.6887

346.6680,

 3.4911, 2.5547,

338.4559, 378.8123

3.1927

408.2349,  
400.1669, 447.2150

■ 1.4185, 0.9039,  
1.1939

■ 0.2693, 0.0000,  
0.0000

■ 77.9056, 72.4070,  
82.5429

■ 77.9056, 72.4070,  
82.5429

■ 70.0960, 60.0633,  
69.8418

■ 86.9130, 86.8366,  
96.5983

■ 63.4266, 49.6993,  
58.4479

95.0500, 100.0000,  
108.9000

■ 57.8424, 41.2131,  
48.3176

■ 53.2816, 34.4900,  
39.4030

■ 49.6759, 29.4026,  
31.6528

■ 46.9480, 25.8063,  
25.0110

■ 45.0075, 23.5305,  
19.4154

■ 43.7333, 22.3443,  
14.7918

■ 43.5291, 22.1756,  
13.9843

# Harmonies

## Analogous

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



75.9625, 72.4070, 95.5294



77.9056, 72.4070, 82.5429



77.3309, 72.4070, 69.8844

# Triad

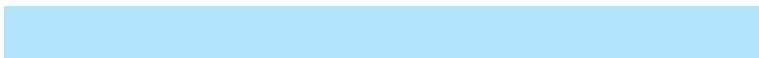
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.9056, 72.4070, 82.5429



65.6186, 72.4070, 57.6518



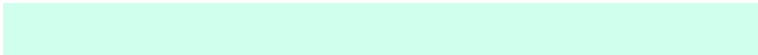
63.5047, 72.4070, 100.3244

# Complementary

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



77.9056, 72.4070, 82.5429



77.3430, 91.1909, 93.6496

# 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.



60.9589, 72.4070, 88.5274



77.9056, 72.4070, 82.5429



62.1411, 72.4070, 64.2154

# Square

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



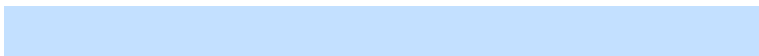
77.9056, 72.4070, 82.5429



70.1021, 72.4070, 56.4276



60.4710, 72.4070, 75.2474



67.5549, 72.4070, 106.5145



# Rectangle

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



77.9056, 72.4070, 82.5429



75.6080, 72.4070, 63.2308



60.4710, 72.4070, 75.2474



62.4522, 72.4070, 96.8249

# Sweetspot

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



77.9073, 72.4100, 82.5444



89.8919, 91.6433, 101.1399



75.6444, 70.7601, 104.2789



19.0908, 19.3735, 21.4207



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.



77.9073, 72.4100, 82.5444



74.6715, 67.2733, 77.3508



76.6962, 73.7574, 70.5198



18.3036, 18.1048, 20.2161



22.8129, 11.6144, 7.6651



2.2730, 1.1516, 1.0189



# Inverse Universe

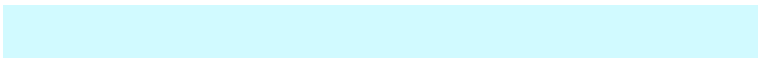
The Inverse Universe completely reimagines the original color for something new.



77.9073, 72.4100, 82.5444



74.6715, 67.2733, 77.3508



78.6564, 89.3966, 107.7174



18.3036, 18.1048, 20.2161



22.8129, 11.6144, 7.6651



2.2730, 1.1516, 1.0189



# Previews

## White Background



This preview shows how the XYZ color 77.9056, 72.4070, 82.5429 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

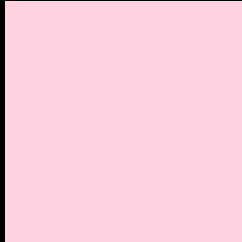
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.9056, 72.4070, 82.5429 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 77.9056, 72.4070, 82.5429**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.9056, 72.4070, 82.5429.



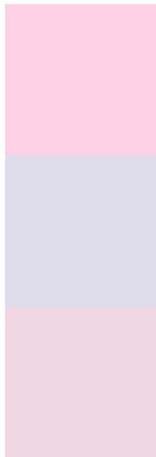
This preview shows how white text looks on a background with the XYZ color 77.9056, 72.4070,

82.5429.

# 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

77.9056, 72.4070, 82.5429

### Protanopia

70.5687, 72.6565, 88.1466

### Deuteranopia

74.3035, 72.7926, 82.0857



## Tritanopia

77.7679, 72.3519, 81.8180

# Trichromacy



## Original Color

77.9056, 72.4070, 82.5429

## Protanomaly

72.9114, 72.3737, 85.7280

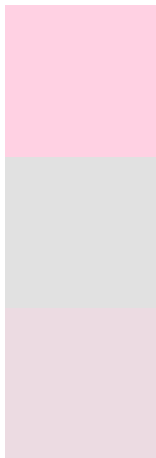
## Deuteranomaly

75.5278, 72.6723, 81.9979

## Tritanomaly

77.7679, 72.3519, 81.8180

# Monochromacy



## Original Color

77.9056, 72.4070, 82.5429

## Achromatopsia

71.5672, 75.2942, 81.9954

## Achromatomaly

73.6511, 73.9869, 82.3506

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.9056, 72.4070, 82.5429 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, 209, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 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, 209, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 77.9056, 72.4070, 82.5429 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, 209, 227) }
```



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

```
.border{ border-color:rgb(255, 209, 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, 209, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.9056, 72.4070, 82.5429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 209, 227) }
```

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

```
.background{ background-color: rgb(255,  
209, 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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