

Converting Colors

XYZ(80.3407, 75.4447, 89.0040)

Have a look what the booklet for XYZ(80.3407, 75.4447, 89.0040) contains.

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Color

**XYZ(80.2820, 75.3513,
88.9102)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD6EB
RGB	255, 214, 235
RGB Percent	100%, 84%, 92%
CMY	0.0000, 0.1608, 0.0784
CMYK	0.00, 0.16, 0.08, 0.00
HSL	329°, 100%, 92%
HSV	329°, 16%, 100%
XYZ	80.2820, 75.3513, 88.9102
YIQ	228.6530, 17.6950, 15.2230

Conversions

Conversions Part 2

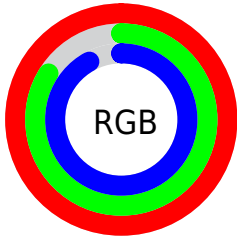
Format	Color
R _Y B	255, 214, 235
Decimal	16766699
CIE Lab	89.56, 17.65, -4.94
CIE LCh	90, 18.330, 344.362
Yxy	75.3513, 0.3283, 0.3081
Android (android.graphics.Color)	4294956779 (0xFFFFD6EB)
YUV	228.6530, 3.1291, 23.1063
Hunter-Lab	86.8051, 13.1773, 0.0358

Details

The XYZ color **80.2820, 75.3513, 88.9102** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **78.3452, 91.7578, 91.4271**, and the grayscale version is **74.1914, 78.0552, 85.0021**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8235, 40.0567, 48.0698** is the 20% darker color. If you saturate the color by 10%, you get **72.5917, 62.7471, 77.7879**, and if you desaturate by 10%, it is **89.1115, 90.0324, 101.0345**.

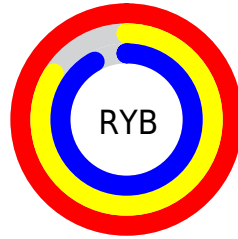
Distribution



Red (100%)

Green (84%)

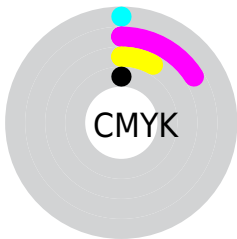
Blue (92%)



Red (100%)

Yellow (84%)

Blue (92%)

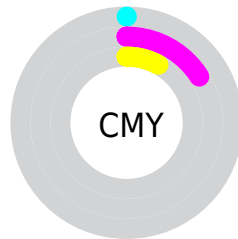


Cyan (0%)

Magenta (16%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (16%)


Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.2820, 75.3513, 88.9102 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 80.2820, 75.3513, 88.9102 by changing the saturation by 10% instead.


 80.2820, 75.3513,
88.9102

 80.2820, 75.3513,
88.9102


484.6048,
479.1242, 544.9577

 60.2597, 55.9007,
66.5085


132.7106,
126.8095, 147.7459

 43.8783, 40.1233,
48.2262


165.8476,
159.5860, 185.0171

 30.7723, 27.6347,
33.6448


204.0868,
197.5732, 228.0818

 20.5765, 18.0505,
22.3457

247.7937,
241.1555, 277.3586

 12.9255, 10.9862,
13.9104

297.3336,
290.7174, 333.2661

 7.4539, 6.0576,
7.9203

353.0719,

 3.7964, 2.8801,

346.6432, 396.2227

3.9570

415.3738,
409.3173, 466.6471

■ 1.5876, 1.0695,
1.6018

■ 0.3843, 0.0000,
0.2921

■ 80.2820, 75.3513,
88.9102

■ 80.2820, 75.3513,
88.9102

■ 72.5917, 62.7471,
77.7879

■ 89.1115, 90.0324,
101.0345

■ 65.9863, 52.1157,
67.6337

95.0500, 100.0000,
108.9000

■ 60.4141, 43.3580,
58.4185

■ 55.8173, 36.3626,
50.1096

■ 52.1320, 31.0061,
42.6718

■ 49.2859, 27.1489,
36.0665

■ 47.1951, 24.6277,
30.2507

■ 45.7558, 23.2401,
25.1741

■ 45.3097, 22.8879,
23.3608

Harmonies

Analogous

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



77.8432, 75.3513, 101.0745



80.2820, 75.3513, 88.9102



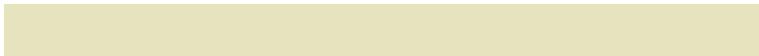
80.3359, 75.3513, 76.0483

Triad

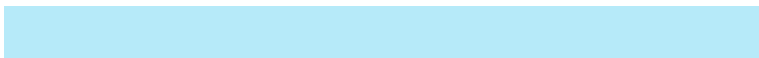
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.2820, 75.3513, 88.9102



69.4936, 75.3513, 60.2969



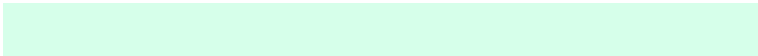
65.6073, 75.3513, 100.6262

Complementary

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



80.2820, 75.3513, 88.9102



78.3452, 91.7578, 91.4271

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.



63.5569, 75.3513, 88.3484



80.2820, 75.3513, 88.9102



65.7361, 75.3513, 65.5673

Square

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



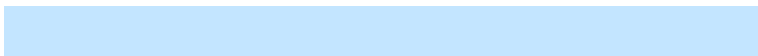
80.2820, 75.3513, 88.9102



73.9779, 75.3513, 60.4135



63.6030, 75.3513, 75.5422



69.3111, 75.3513, 108.3065

Rectangle

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



80.2820, 75.3513, 88.9102



79.0046, 75.3513, 68.8336



63.6030, 75.3513, 75.5422



64.7089, 75.3513, 96.8466

Sweetspot

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



80.2837, 75.3544, 88.9118



90.1312, 91.7390, 102.3997



75.9706, 72.7781, 104.6512



19.1489, 19.3968, 21.7266



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.



80.2837, 75.3544, 88.9118



77.9193, 71.4580, 85.5572



77.5139, 74.2465, 74.3263



18.3977, 18.1424, 20.7115



23.7511, 11.9897, 12.6054



2.3678, 1.1895, 1.5181

Inverse Universe

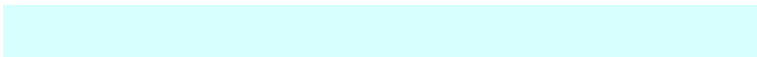
The Inverse Universe completely reimagines the original color for something new.



80.2837, 75.3544, 88.9118



77.9193, 71.4580, 85.5572



81.4335, 92.9931, 107.6896



18.3977, 18.1424, 20.7115



23.7511, 11.9897, 12.6054



2.3678, 1.1895, 1.5181

Previews

White Background



This preview shows how the XYZ color 80.2820, 75.3513, 88.9102 looks on a white background.

Color Contrast Check

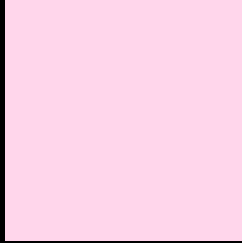
Large Text (above 18pt) WCAG AA × Fail

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 80.2820, 75.3513, 88.9102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

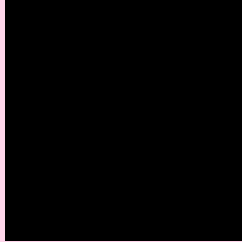
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.2820, 75.3513, 88.9102

Background



This preview shows how black text looks on a background with the XYZ color 80.2820, 75.3513, 88.9102.



This preview shows how white text looks on a background with the XYZ color 80.2820, 75.3513,

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

80.2820, 75.3513, 88.9102

Protanopia

73.5842, 75.6697, 93.9465

Deuteranopia

77.1449, 75.6582, 88.3794



Tritanopia

79.9642, 75.6304, 85.9849

Trichromacy



Original Color

80.2820, 75.3513, 88.9102

Protanomaly

75.7653, 75.2513, 92.1930

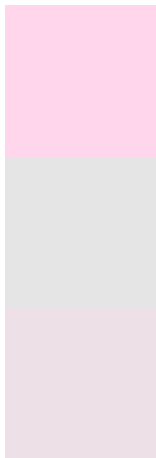
Deuteranomaly

78.0219, 75.3404, 88.2719

Tritanomaly

80.1059, 75.6871, 86.7310

Monochromacy



Original Color

80.2820, 75.3513, 88.9102

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

76.3394, 77.2580, 86.4901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.2820, 75.3513, 88.9102 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, 214, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 214, 235)  
}
```

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, 214, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 214, 235) }
```

Border

The CSS property to change the border of an element to XYZ 80.2820, 75.3513, 88.9102 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, 214, 235) }
```


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

```
.border{ border-color:rgb(255, 214, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 214, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 214, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 214, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 214,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 80.2820, 75.3513, 88.9102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 214, 235) }
```

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

```
.background{ background-color: rgb(255,  
214, 235) }
```

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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