

Converting Colors

XYZ(80.5708, 75.4642, 90.4310)

Have a look what the booklet for
XYZ(80.5708, 75.4642, 90.4310)
contains.

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Color

**XYZ(80.5726, 75.4676,
90.4408)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD6ED
RGB	255, 214, 237
RGB Percent	100%, 84%, 93%
CMY	0.0000, 0.1608, 0.0706
CMYK	0.00, 0.16, 0.07, 0.00
HSL	326°, 100%, 92%
HSV	326°, 16%, 100%
XYZ	80.5726, 75.4676, 90.4408
YIQ	228.8810, 17.0530, 15.8450

Conversions

Conversions Part 2

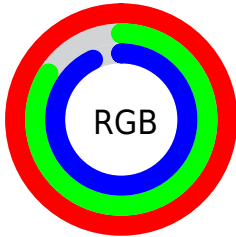
Format	Color
R _Y B	255, 214, 237
Decimal	16766701
CIE Lab	89.61, 17.99, -5.91
CIE LCh	90, 18.934, 341.799
Yxy	75.4676, 0.3269, 0.3062
Android (android.graphics.Color)	4294956781 (0xFFFFD6ED)
YUV	228.8810, 4.0027, 22.9064
Hunter-Lab	86.8721, 13.5300, -0.9152

Details

The XYZ color **80.5726, 75.4676, 90.4408** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **78.0595, 91.6435, 89.9222**, and the grayscale version is **74.3530, 78.2252, 85.1872**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0273, 40.1382, 49.1430** is the 20% darker color. If you saturate the color by 10%, you get **73.0323, 62.9234, 80.1078**, and if you desaturate by 10%, it is **89.2288, 90.0793, 101.6517**.

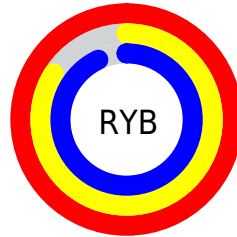
Distribution



Red (100%)

Green (84%)

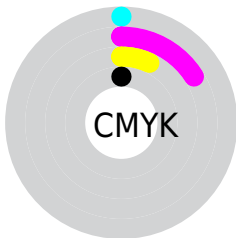
Blue (93%)



Red (100%)

Yellow (84%)

Blue (93%)

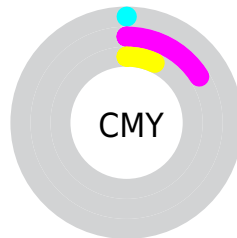


Cyan (0%)

Magenta (16%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (16%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.5726, 75.4676, 90.4408 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 80.5726, 75.4676, 90.4408 by changing the saturation by 10% instead.


 80.5726, 75.4676,
90.4408

 80.5726, 75.4676,
90.4408

485.5676,
479.5232, 550.0708

 60.4997, 55.9960,
67.7705


133.1168,
126.9741, 149.8914

 44.0726, 40.1998,
49.2455


166.3188,
159.7777, 187.5088

 30.9257, 27.6943,
34.4473


204.6280,
197.7943, 230.9457

 20.6938, 18.0954,
22.9573

248.4095,
241.4080, 280.6205

 13.0116, 11.0185,
14.3570

298.0290,
291.0034, 336.9519

 7.5136, 6.0793,
8.2278

353.8515,

 3.8345, 2.8933,

346.9648, 400.3584

4.1512

416.2426,
409.6766, 471.2585

■ 1.6089, 1.0763,
1.7087

■ 0.3982, 0.0000,
0.3667

■ 80.5726, 75.4676,
90.4408

■ 80.5726, 75.4676,
90.4408

■ 73.0323, 62.9234,
80.1078

■ 89.2288, 90.0793,
101.6517

■ 66.5539, 52.3428,
70.6226

95.0500, 100.0000,
108.9000

■ 61.0866, 43.6271,
61.9599

■ 56.5734, 36.6651,
54.0910

■ 52.9511, 31.3338,
46.9849

■ 50.1483, 27.4938,
40.6076

■ 48.0820, 24.9824,
34.9206

■ 46.6492, 23.5974,
29.8787

■ 46.2010, 23.2444,
28.0543

Harmonies

Analogous

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



77.8622, 75.4676, 102.8001



80.5726, 75.4676, 90.4408



80.8525, 75.4676, 77.0406

Triad

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



80.5726, 75.4676, 90.4408



69.9151, 75.4676, 59.5472



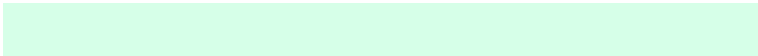
65.2621, 75.4676, 100.4678

Complementary

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



80.5726, 75.4676, 90.4408



78.0595, 91.6435, 89.9222

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.



63.3203, 75.4676, 87.5251



80.5726, 75.4676, 90.4408



65.9280, 75.4676, 64.5052

Square

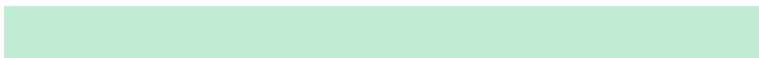
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



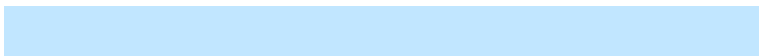
80.5726, 75.4676, 90.4408



74.5618, 75.4676, 60.1469



63.5587, 75.4676, 74.4221



68.9702, 75.4676, 109.0066

Rectangle

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



80.5726, 75.4676, 90.4408



79.6087, 75.4676, 69.3908



63.5587, 75.4676, 74.4221



64.3885, 75.4676, 96.4321

Sweetspot

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



80.5744, 75.4707, 90.4424



90.2283, 91.7779, 102.9110



75.3022, 72.4336, 104.6200



19.1725, 19.4062, 21.8509



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.



80.5744, 75.4707, 90.4424



78.2561, 71.5928, 87.3312



77.7786, 74.3524, 75.7199



18.4361, 18.1578, 20.9137



24.2174, 12.1763, 15.0613



2.4129, 1.2075, 1.7558

Inverse Universe

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



80.5744, 75.4707, 90.4424



78.2561, 71.5928, 87.3312



81.1064, 92.8623, 105.9670



18.4361, 18.1578, 20.9137



24.2174, 12.1763, 15.0613



2.4129, 1.2075, 1.7558

Previews

White Background



This preview shows how the XYZ color 80.5726, 75.4676, 90.4408 looks on a white background.

Color Contrast Check

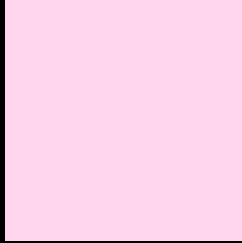
Large Text (above 18pt) WCAG AA × Fail

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 80.5726, 75.4676, 90.4408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

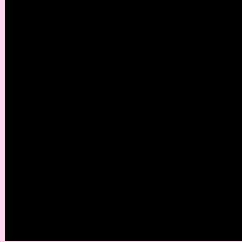
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.5726, 75.4676, 90.4408

Background



This preview shows how black text looks on a background with the XYZ color 80.5726, 75.4676, 90.4408.



This preview shows how white text looks on a background with the XYZ color 80.5726, 75.4676,

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

80.5726, 75.4676, 90.4408

Protanopia

73.5738, 75.6297, 95.5143

Deuteranopia

77.0898, 75.5964, 89.8854



Tritanopia

79.7390, 75.4979, 86.7138

Trichromacy



Original Color

80.5726, 75.4676, 90.4408

Protanomaly

75.7313, 75.1994, 93.7426

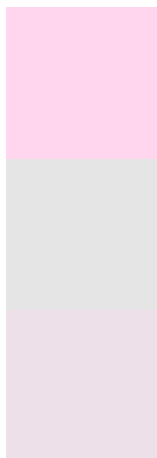
Deuteranomaly

78.3109, 75.4560, 89.7939

Tritanomaly

80.0248, 75.6122, 88.2188

Monochromacy



Original Color

80.5726, 75.4676, 90.4408

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

76.4810, 77.3146, 87.2362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.5726, 75.4676, 90.4408 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, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 214, 237)  
}
```

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, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 214, 237) }
```

Border

The CSS property to change the border of an element to XYZ 80.5726, 75.4676, 90.4408 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, 237) }
```


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

```
.border{ border-color:rgb(255, 214, 237) }
```

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, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 214, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 214, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 214,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 80.5726, 75.4676, 90.4408 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, 237) }
```

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

```
.background{ background-color: rgb(255,  
214, 237) }
```

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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