

Converting Colors

XYZ(80.2695, 74.7441, 90.7010)

Have a look what the booklet for
XYZ(80.2695, 74.7441, 90.7010)
contains.

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Color

**XYZ(80.4669, 75.0215,
91.1285)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD5EE
RGB	255, 213, 238
RGB Percent	100%, 84%, 93%
CMY	0.0000, 0.1647, 0.0667
CMYK	0.00, 0.16, 0.07, 0.00
HSL	324°, 100%, 92%
HSV	324°, 16%, 100%
XYZ	80.4669, 75.0215, 91.1285
YIQ	228.4080, 17.0070, 16.6790

Conversions

Conversions Part 2

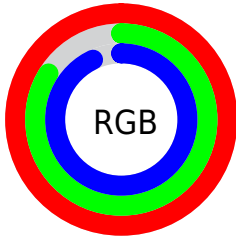
Format	Color
R _{YB}	255, 213, 238
Decimal	16766446
CIE Lab	89.40, 18.68, -6.75
CIE LCh	89, 19.860, 340.134
Yxy	75.0215, 0.3263, 0.3042
Android (android.graphics.Color)	4294956526 (0xFFFFD5EE)
YUV	228.4080, 4.7289, 23.3212
Hunter-Lab	86.6150, 14.2536, -1.7492

Details

The XYZ color **80.4669, 75.0215, 91.1285** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **77.4858, 91.3804, 88.4203**, and the grayscale version is **74.0007, 77.8545, 84.7836**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9591, 39.8369, 49.6284** is the 20% darker color. If you saturate the color by 10%, you get **73.0769, 62.5993, 81.3970**, and if you desaturate by 10%, it is **88.9555, 89.5014, 101.6573**.

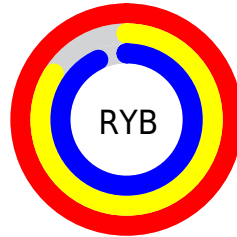
Distribution



Red (100%)

Green (84%)

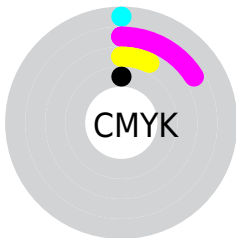
Blue (93%)



Red (100%)

Yellow (84%)

Blue (93%)

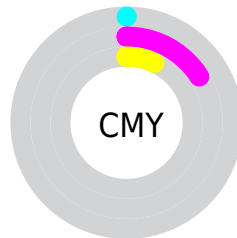


Cyan (0%)

Magenta (16%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (16%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.4669, 75.0215, 91.1285 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 80.4669, 75.0215, 91.1285 by changing the saturation by 10% instead.


 80.4669, 75.0215,
91.1285

 80.4669, 75.0215,
91.1285


485.2175,
477.9915, 552.3596

 60.4124, 55.6305,
68.3380


132.9690,
126.3428, 150.8541

 44.0019, 39.9068,
49.7044


166.1474,
159.0419, 188.6264

 30.8699, 27.4658,
34.8090

204.4312,
196.9458, 232.2296

 20.6511, 17.9234,
23.2334

248.1856,
240.4389, 282.0823

 12.9802, 10.8950,
14.5590

297.7761,
289.9057, 338.6032

 7.4918, 5.9963,
8.3673

353.5680,

 3.8206, 2.8428,

345.7304, 402.2106

4.2398

415.9267,
408.2975, 473.3232

■ 1.6012, 1.0502,
1.7578

■ 0.3932, 0.0000,
0.3999

■ 80.4669, 75.0215,
91.1285

■ 80.4669, 75.0215,
91.1285

■ 73.0769, 62.5993,
81.3970

■ 88.9555, 89.5014,
101.6573

■ 66.7323, 52.1311,
72.4349

95.0500, 100.0000,
108.9000

■ 61.3824, 43.5179,
64.2189

■ 56.9703, 36.6482,
56.7226

■ 53.4331, 31.3988,
49.9173

■ 50.6995, 27.6297,
43.7714

■ 48.6864, 25.1771,
38.2488

■ 47.2900, 23.8364,
33.3066

■ 46.8895, 23.5198,
31.6800

Harmonies

Analogous

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



77.5047, 75.0215, 103.9191



80.4669, 75.0215, 91.1285



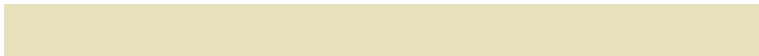
80.9128, 75.0215, 77.0635

Triad

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



80.4669, 75.0215, 91.1285



69.6729, 75.0215, 58.0569



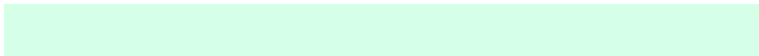
64.3927, 75.0215, 100.1928

Complementary

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



80.4669, 75.0215, 91.1285



77.4858, 91.3804, 88.4203

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.



62.4909, 75.0215, 86.4891



80.4669, 75.0215, 91.1285



65.4464, 75.0215, 62.8737

Square

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



80.4669, 75.0215, 91.1285



74.5308, 75.0215, 58.9984



62.8676, 75.0215, 72.9188



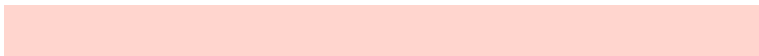
68.1750, 75.0215, 109.5505

Rectangle

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



80.4669, 75.0215, 91.1285



79.7027, 75.0215, 68.9650



62.8676, 75.0215, 72.9188



63.5202, 75.0215, 95.8816

Sweetspot

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



80.4685, 75.0245, 91.1301



90.2967, 91.8052, 103.2712



74.4158, 71.6019, 104.5062



19.1892, 19.4129, 21.9385



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.



80.4685, 75.0245, 91.1301



77.7354, 70.4067, 87.6031



77.5868, 73.8718, 75.9551



18.4632, 18.1686, 21.0565



24.5767, 12.3200, 16.9531



2.4471, 1.2212, 1.9358

Inverse Universe

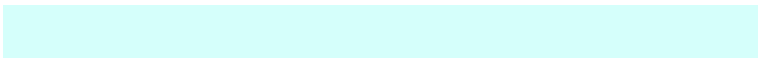
The Inverse Universe completely reimagines the original color for something new.



80.4685, 75.0245, 91.1301



77.7354, 70.4067, 87.6031



80.5834, 92.6195, 104.7322



18.4632, 18.1686, 21.0565



24.5767, 12.3200, 16.9531



2.4471, 1.2212, 1.9358

Previews

White Background



This preview shows how the XYZ color 80.4669, 75.0215, 91.1285 looks on a white background.

Color Contrast Check

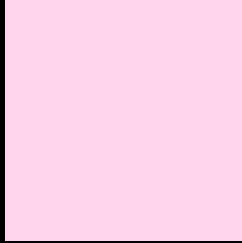
Large Text (above 18pt) WCAG AA × Fail

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 80.4669, 75.0215, 91.1285 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 80.4669, 75.0215, 91.1285

Background



This preview shows how black text looks on a background with the XYZ color 80.4669, 75.0215, 91.1285.



This preview shows how white text looks on a background with the XYZ color 80.4669, 75.0215,

91.1285.

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

80.4669, 75.0215, 91.1285

Protanopia

73.1482, 74.9950, 96.2081

Deuteranopia

76.6331, 74.9580, 90.5501



Tritanopia

79.3434, 74.9335, 85.8831

Trichromacy



Original Color

80.4669, 75.0215, 91.1285

Protanomaly

75.6195, 74.7360, 94.4443

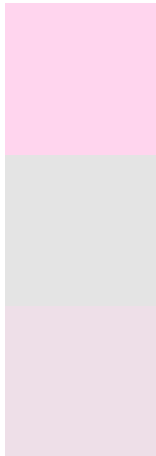
Deuteranomaly

77.8480, 74.8190, 90.4592

Tritanomaly

79.7709, 75.1045, 88.1341

Monochromacy



Original Color

80.4669, 75.0215, 91.1285

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

76.2131, 76.7787, 87.1468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.4669, 75.0215, 91.1285 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, 213, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 238)  
}
```

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, 213, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 238) }
```

Border

The CSS property to change the border of an element to XYZ 80.4669, 75.0215, 91.1285 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, 213, 238) }
```


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

```
.border{ border-color:rgb(255, 213, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 213, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 80.4669, 75.0215, 91.1285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 213, 238) }
```

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

```
.background{ background-color: rgb(255,  
213, 238) }
```

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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