

Converting Colors

XYZ(78.1999, 70.0301, 83.1140)

Have a look what the booklet for
XYZ(78.1999, 70.0301, 83.1140)
contains.

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Color

**XYZ(76.3641, 69.1025,
82.7121)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCAE4
RGB	255, 202, 228
RGB Percent	100%, 79%, 89%
CMY	0.0000, 0.2078, 0.1059
CMYK	0.00, 0.21, 0.11, 0.00
HSL	331°, 100%, 90%
HSV	331°, 21%, 100%
XYZ	76.3641, 69.1025, 82.7121
YIQ	220.8110, 23.2420, 19.3220

Conversions

Conversions Part 2

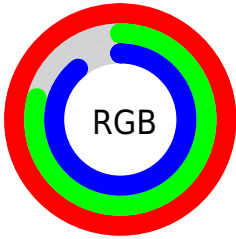
Format	Color
R_{YB}	255, 202, 228
Decimal	16763620
CIE _{Lab}	86.55, 22.78, -5.67
CIE _{LCh}	87, 23.471, 346.023
Yxy	69.1025, 0.3347, 0.3028
Android (android.graphics.Color)	4294953700 (0xFFFFCAE4)
YUV	220.8110, 3.5442, 29.9838
Hunter-Lab	83.1279, 18.5023, -0.8039

Details

The XYZ color **76.3641, 69.1025, 82.7121** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **74.2623, 89.7348, 87.5387**, and the grayscale version is **68.5607, 72.1312, 78.5508**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4214, 36.2027, 44.3398** is the 20% darker color. If you saturate the color by 10%, you get **69.1318, 57.4163, 71.7355**, and if you desaturate by 10%, it is **84.7238, 82.8258, 94.7350**.

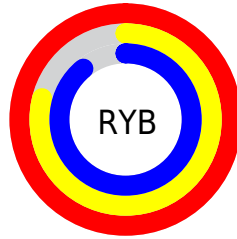
Distribution



Red (100%)

Green (79%)

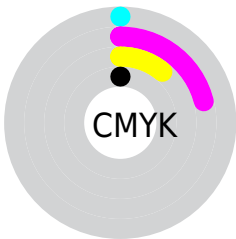
Blue (89%)



Red (100%)

Yellow (79%)

Blue (89%)

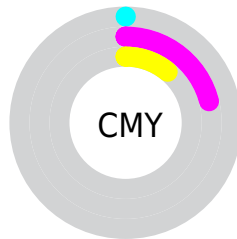


Cyan (0%)

Magenta (21%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (21%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.3641, 69.1025, 82.7121 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 76.3641, 69.1025, 82.7121 by changing the saturation by 10% instead.

76.3641, 69.1025,
82.7121

76.3641, 69.1025,
82.7121

471.5184,
457.3924, 523.9724

57.0292, 50.7952,
61.4134

127.2191,
117.9280, 139.0178

41.2689, 36.0456,
44.1262

159.4699,
149.2149, 174.8619

28.7179, 24.4694,
30.4318

196.7567,
185.5972, 216.3916

19.0107, 15.6822,
19.9117

239.4449,
227.4592, 264.0254

11.7821, 9.2996,
12.1475

287.8998,
275.1853, 318.1818

6.6666, 4.9371,
6.7204

342.4868,

3.2989, 2.2104,

329.1600, 379.2794

3.2121

403.5712,
389.7675, 447.7368

■ 1.3138, 0.7257,
1.2039

■ 0.1935, 0.0000,
0.0000

■ 76.3641, 69.1025,
82.7121

■ 76.3641, 69.1025,
82.7121

■ 69.1318, 57.4163,
71.7355

■ 84.7238, 82.8258,
94.7350

■ 62.9704, 47.6603,
61.7691

■ 94.2540, 98.6691,
107.8299

■ 57.8261, 39.7310,
52.7806

■ 95.0500, 100.0000,
108.9000

■ 53.6378, 33.5115,
44.7342

■ 50.3375, 28.8713,
37.5908

■ 47.8479, 25.6608,
31.3077

■ 46.0763, 23.7010,
25.8363

■ 44.9472, 22.7429,
21.4517

Harmonies

Analogous

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



73.4998, 69.1025, 98.0221



76.3641, 69.1025, 82.7121



76.2572, 69.1025, 67.2698

Triad

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



76.3641, 69.1025, 82.7121



62.8342, 69.1025, 49.9606



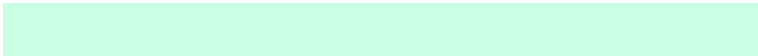
58.6800, 69.1025, 98.9274

Complementary

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



76.3641, 69.1025, 82.7121



74.2623, 89.7348, 87.5387

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.



56.1288, 69.1025, 83.8180



76.3641, 69.1025, 82.7121



58.4352, 69.1025, 56.2948

Square

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



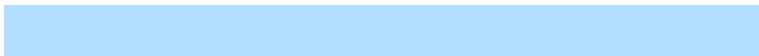
76.3641, 69.1025, 82.7121



68.2393, 69.1025, 49.7501



56.0418, 69.1025, 68.2337



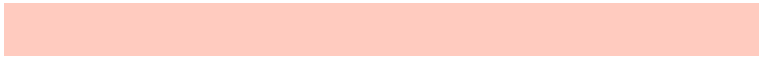
63.1853, 69.1025, 108.2219

Rectangle

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



76.3641, 69.1025, 82.7121



74.5098, 69.1025, 58.9595



56.0418, 69.1025, 68.2337



57.5766, 69.1025, 94.2734

Sweetspot

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



76.3657, 69.1054, 82.7135



89.1320, 90.1318, 100.8612



71.3267, 66.0403, 103.5955



18.9456, 19.0721, 21.4062



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.



76.3657, 69.1054, 82.7135



73.1802, 63.9327, 77.9575



73.0233, 67.7684, 65.1127



18.3808, 18.1356, 20.6223



23.5609, 11.9136, 11.6039



2.3490, 1.1820, 1.4195

Inverse Universe

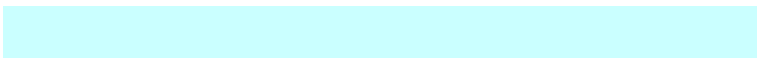
The Inverse Universe completely reimagines the original color for something new.



76.3657, 69.1054, 82.7135



73.1802, 63.9327, 77.9575



78.1688, 91.2974, 108.1100



18.3808, 18.1356, 20.6223



23.5609, 11.9136, 11.6039



2.3490, 1.1820, 1.4195

Previews

White Background



This preview shows how the XYZ color 76.3641, 69.1025, 82.7121 looks on a white background.

Color Contrast Check

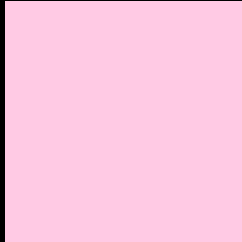
Large Text (above 18pt) WCAG AA × Fail

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 76.3641, 69.1025, 82.7121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

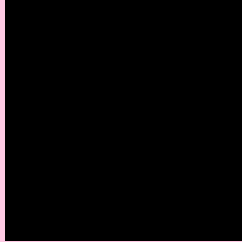
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.3641, 69.1025, 82.7121

Background



This preview shows how black text looks on a background with the XYZ color 76.3641, 69.1025, 82.7121.



This preview shows how white text looks on a background with the XYZ color 76.3641, 69.1025,

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

76.3641, 69.1025, 82.7121

Protanopia

67.7205, 69.6149, 89.2247

Deuteranopia

70.7057, 69.0766, 81.5580



Tritanopia

75.0152, 68.8972, 76.3626

Trichromacy



Original Color

76.3641, 69.1025, 82.7121

Protanomaly

70.6354, 69.2947, 86.7431

Deuteranomaly

72.7959, 69.0489, 82.1641

Tritanomaly

75.4138, 69.0566, 78.4618

Monochromacy



Original Color

76.3641, 69.1025, 82.7121

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

71.1054, 70.7986, 80.4388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.3641, 69.1025, 82.7121 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, 202, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 228)  
}
```

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, 202, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 228) }
```

Border

The CSS property to change the border of an element to XYZ 76.3641, 69.1025, 82.7121 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, 202, 228) }
```


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

```
.border{ border-color:rgb(255, 202, 228) }
```

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

Here you see how a box with a 4 pixel rgb(255, 202, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 76.3641, 69.1025, 82.7121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 228) }
```

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

```
.background{ background-color: rgb(255,  
202, 228) }
```

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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