

Converting Colors

XYZ(70.3734, 64.3075, 85.0986)

Have a look what the booklet for
XYZ(70.3734, 64.3075, 85.0986)
contains.

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Color

**XYZ(70.4669, 64.2840,
85.0380)**

Conversions

Conversions Part 1

Format	Color
Hex	F0C5E8
RGB	240, 197, 232
RGB Percent	94%, 77%, 91%
CMY	0.0588, 0.2274, 0.0902
CMYK	0.00, 0.18, 0.03, 0.06
HSL	311°, 59%, 86%
HSV	311°, 18%, 94%
XYZ	70.4669, 64.2840, 85.0380
YIQ	213.8470, 14.3930, 20.0010

Conversions

Conversions Part 2

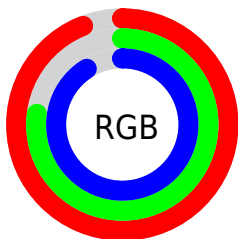
Format	Color
R _Y B	240, 197, 232
Decimal	15779304
CIE Lab	84.11, 21.01, -11.57
CIE LCh	84, 23.988, 331.155
Yxy	64.2840, 0.3206, 0.2925
Android (android.graphics.Color)	4293969384 (0xFFFF0C5E8)
YUV	213.8470, 8.9494, 22.9362
Hunter-Lab	80.1773, 16.5713, -6.7603

Details

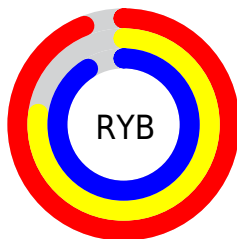
The XYZ color **70.4669, 64.2840, 85.0380** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **65.2080, 78.6000, 69.4956**, and the grayscale version is **63.7503, 67.0702, 73.0395**.

A 20% lighter version of the original color is **94.7318, 99.3636, 108.7939**, and **37.4261, 32.9699, 45.4655** is the 20% darker color. If you saturate the color by 10%, you get **64.8194, 53.9904, 80.0662**, and if you desaturate by 10%, it is **77.0018, 76.3247, 90.3867**.

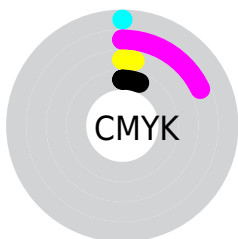
Distribution



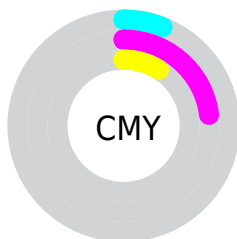
- Red (94%)
- Green (77%)
- Blue (91%)



- Red (94%)
- Yellow (77%)
- Blue (91%)



- Cyan (0%)
- Magenta (18%)
- Yellow (3%)
- Black (6%)





- Cyan (6%)
- Magenta (23%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.4669, 64.2840, 85.0380 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 70.4669, 64.2840, 85.0380 by changing the saturation by 10% instead.


 70.4669, 64.2840,
85.0380

 70.4669, 64.2840,
85.0380


451.4286,
440.2145, 531.9017

 52.1882, 46.8807,
63.3224


118.8970,
111.0198, 142.3009

 37.3800, 32.9414,
45.6594

149.7791,
141.1212, 178.6853

 25.6769, 22.0815,
31.6304


185.5931,
176.2241, 220.7965

 16.7135, 13.9168,
20.8169

226.7043,
216.7128, 269.0529

 10.1245, 8.0628,
12.8003

273.4781,
262.9718, 323.8730

 5.5445, 4.1352,
7.1621

326.2799,

 2.6081, 1.7495,

315.3855, 385.6755

3.4837

385.4749,
374.3383, 454.8789

■ 0.9501, 0.4554,
1.3466

■ 0.0000, 0.0000,
0.0995

■ 70.4669, 64.2840,
85.0380

■ 70.4669, 64.2840,
85.0380

■ 64.8194, 53.9904,
80.0662

■ 77.0018, 76.3247,
90.3867

■ 60.0126, 45.3536,
75.4527

■ 84.4569, 90.1807,
96.1214

■ 56.0041, 38.2877,
71.1838

■ 88.2379, 96.6624,
100.7122

■ 52.7451, 32.6960,
67.2424

■ 88.9295, 96.9391,
104.3544

■ 50.1820, 28.4708,
63.6102

■ 89.6378, 97.2223,
108.0839

■ 48.2535, 25.4900,
60.2661

■ 89.7456, 97.2655,
108.6518

■ 46.8874, 23.6094,
57.1854

■ 45.9853, 22.6323,
54.3346

■ 45.8251, 22.4813,
53.7589

Harmonies

Analogous

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



66.5246, 64.2840, 98.0552



70.4669, 64.2840, 85.0380



71.8641, 64.2840, 69.4078

Triad

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



70.4669, 64.2840, 85.0380



60.8949, 64.2840, 44.6844



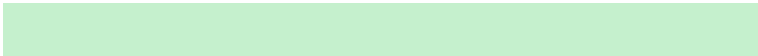
52.7884, 64.2840, 86.2032

Complementary

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



70.4669, 64.2840, 85.0380



65.2080, 78.6000, 69.4956

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.



51.4683, 64.2840, 70.5842



70.4669, 64.2840, 85.0380



55.9786, 64.2840, 47.8736

Square

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



70.4669, 64.2840, 85.0380



66.1489, 64.2840, 47.4184



52.6023, 64.2840, 56.8385



56.3148, 64.2840, 98.7934

Rectangle

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



70.4669, 64.2840, 85.0380



71.1040, 64.2840, 59.9822



52.6023, 64.2840, 56.8385



52.0814, 64.2840, 81.0628

Sweetspot

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



70.4688, 64.2868, 85.0394



90.7369, 91.9813, 105.5897



60.8419, 59.1896, 90.6571



19.2963, 19.4557, 22.5029



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.



70.4688, 64.2868, 85.0394



78.7187, 69.8382, 95.7464



67.6135, 63.1447, 70.0037



16.3207, 15.9780, 19.2453



25.1314, 12.3250, 29.6721



2.1230, 1.0382, 2.6385

Inverse Universe

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



70.4688, 64.2868, 85.0394



78.7187, 69.8382, 95.7464



67.9684, 79.7042, 84.0316



16.3207, 15.9780, 19.2453



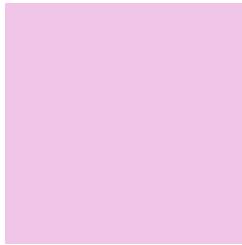
25.1314, 12.3250, 29.6721



2.1230, 1.0382, 2.6385

Previews

White Background



This preview shows how the XYZ color 70.4669, 64.2840, 85.0380 looks on a white background.

Color Contrast Check

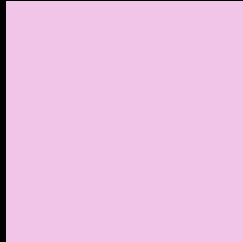
Large Text (above 18pt) WCAG AA × Fail

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 70.4669, 64.2840, 85.0380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

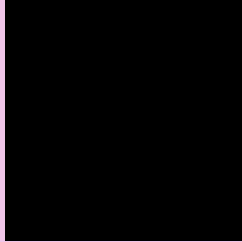
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.4669, 64.2840, 85.0380

Background



This preview shows how black text looks on a background with the XYZ color 70.4669, 64.2840, 85.0380.



This preview shows how white text looks on a background with the XYZ color 70.4669, 64.2840,

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

70.4669, 64.2840, 85.0380

Protanopia

63.3127, 64.3229, 90.7400

Deuteranopia

65.8355, 64.3274, 84.5478



Tritanopia

68.1799, 64.3920, 73.1254

Trichromacy



Original Color

70.4669, 64.2840, 85.0380

Protanomaly

65.6466, 64.1473, 88.2786

Deuteranomaly

67.3054, 64.0368, 84.4143

Tritanomaly

69.0712, 64.4180, 77.2001

Monochromacy



Original Color

70.4669, 64.2840, 85.0380

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

66.0384, 66.0202, 77.6692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4669, 64.2840, 85.0380 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(240, 197, 232)` looks like.

```
.text, #text, p{  
    color:rgb(240, 197, 232)  
}
```

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(240, 197, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 197, 232) }
```

Border

The CSS property to change the border of an element to XYZ 70.4669, 64.2840, 85.0380 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(240, 197, 232) }
```


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

```
.border{ border-color:rgb(240, 197, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 197, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 197, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 197, 232);  
box-shadow:4px 4px 4px 4px rgb(240, 197,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4669, 64.2840, 85.0380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 197, 232) }
```

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

```
.background{ background-color: rgb(240,  
197, 232) }
```

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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