

Converting Colors

XYZ(69.9683, 60.7248, 83.3786)

Have a look what the booklet for
XYZ(69.9683, 60.7248, 83.3786)
contains.

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Color

**XYZ(70.2002, 60.9030,
83.6568)**

Conversions

Conversions Part 1

Format	Color
Hex	F6BBE7
RGB	246, 187, 231
RGB Percent	96%, 73%, 91%
CMY	0.0353, 0.2666, 0.0941
CMYK	0.00, 0.24, 0.06, 0.04
HSL	315°, 77%, 85%
HSV	315°, 24%, 96%
XYZ	70.2002, 60.9030, 83.6568
YIQ	209.6570, 21.0400, 26.1920

Conversions

Conversions Part 2

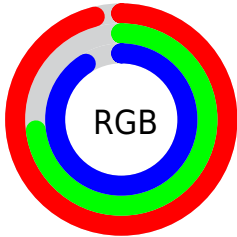
Format	Color
R _Y B	246, 187, 231
Decimal	16169959
CIE Lab	82.33, 28.14, -13.65
CIE LCh	82, 31.278, 334.123
Yxy	60.9030, 0.3269, 0.2836
Android (android.graphics.Color)	4294360039 (0xFFFF6BBE7)
YUV	209.6570, 10.5221, 31.8728
Hunter-Lab	78.0404, 23.9967, -8.9287

Details

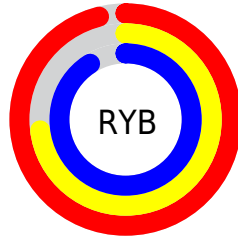
The XYZ color **70.2002, 60.9030, 83.6568** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **64.1125, 80.7425, 68.0865**, and the grayscale version is **60.9589, 64.1335, 69.8414**.

A 20% lighter version of the original color is **91.6407, 93.1814, 107.7636**, and **37.1117, 30.6890, 44.5250** is the 20% darker color. If you saturate the color by 10%, you get **64.5544, 50.9992, 77.4943**, and if you desaturate by 10%, it is **76.7751, 72.6126, 90.2861**.

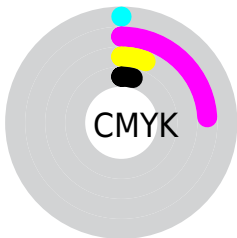
Distribution



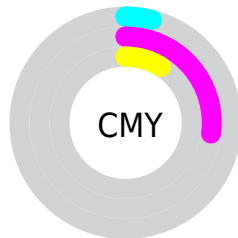
- Red (96%)
- Green (73%)
- Blue (91%)



- Red (96%)
- Yellow (73%)
- Blue (91%)



- Cyan (0%)
- Magenta (24%)
- Yellow (6%)
- Black (4%)




- Cyan (4%)
- Magenta (27%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.2002, 60.9030, 83.6568 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 70.2002, 60.9030, 83.6568 by changing the saturation by 10% instead.


 70.2002, 60.9030,
83.6568

 70.2002, 60.9030,
83.6568


450.5081,
427.9183, 527.2011

 51.9699, 44.1469,
62.1884


 118.5189,
106.1385, 140.3524

 37.2053, 30.7860,
44.7482


149.3381,
135.3866, 176.4167

 25.5409, 20.4360,
30.9176


185.0843,
169.5676, 218.1834

 16.6114, 12.7123,
20.2782

226.1229,
209.0657, 266.0709

 10.0514, 7.2308,
12.4113

272.8192,
254.2655, 320.4980

 5.4956, 3.6068,
6.8985

325.5386,

 2.5786, 1.4562,

305.5512, 381.8830

3.3212

384.6464,
363.3074, 450.6445

■ 0.9350, 0.2576,
1.2609

■ 0.0000, 0.0000,
0.0294

■ 70.2002, 60.9030,
83.6568

■ 70.2002, 60.9030,
83.6568

■ 64.5544, 50.9992,
77.4943

■ 76.7751, 72.6126,
90.2861

■ 59.7864, 42.8020,
71.7779

■ 84.3162, 86.2046,
97.3942

■ 55.8481, 36.2146,
66.4906

■ 90.9851, 98.0005,
104.3705

■ 52.6845, 31.1276,
61.6124

■ 91.8165, 98.3331,
108.7487

■ 50.2336, 27.4178,
57.1210

■ 48.4238, 24.9422,
52.9908

■ 47.1675, 23.5264,
49.1908

■ 46.6010, 23.0309,
47.0367

Harmonies

Analogous

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



65.3777, 60.9030, 101.5754



70.2002, 60.9030, 83.6568



71.6335, 60.9030, 63.7088

Triad

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



70.2002, 60.9030, 83.6568



56.9699, 60.9030, 36.0273



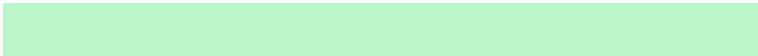
47.9118, 60.9030, 89.1078

Complementary

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



70.2002, 60.9030, 83.6568



64.1125, 80.7425, 68.0865

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.



46.0214, 60.9030, 68.9872



70.2002, 60.9030, 83.6568



50.9905, 60.9030, 40.3325

Square

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



70.2002, 60.9030, 83.6568



63.6620, 60.9030, 38.4675



47.1041, 60.9030, 51.5491



52.4712, 60.9030, 105.1227

Rectangle

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



70.2002, 60.9030, 83.6568



70.3889, 60.9030, 52.4147



47.1041, 60.9030, 51.5491



46.9597, 60.9030, 82.4737

Sweetspot

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



70.2020, 60.9057, 83.6581



88.8954, 88.8464, 103.2861



58.6970, 54.7193, 94.6581



18.9191, 18.8214, 22.0065



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.



70.2020, 60.9057, 83.6581



72.9431, 60.3957, 87.3204



66.4097, 59.3888, 63.6879



17.0231, 16.6921, 19.8682



24.9332, 12.3167, 25.4202



2.2327, 1.0990, 2.4516

Inverse Universe

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



70.2020, 60.9057, 83.6581



72.9431, 60.3957, 87.3204



67.9106, 82.2617, 88.0872



17.0231, 16.6921, 19.8682



24.9332, 12.3167, 25.4202



2.2327, 1.0990, 2.4516

Previews

White Background



This preview shows how the XYZ color 70.2002, 60.9030, 83.6568 looks on a white background.

Color Contrast Check

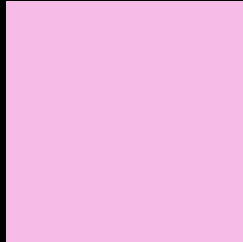
Large Text (above 18pt) WCAG AA × Fail

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 70.2002, 60.9030, 83.6568 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 70.2002, 60.9030, 83.6568

Background



This preview shows how black text looks on a background with the XYZ color 70.2002, 60.9030, 83.6568.



This preview shows how white text looks on a background with the XYZ color 70.2002, 60.9030,

83.6568.

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

70.2002, 60.9030, 83.6568

Protanopia

60.6717, 61.1284, 92.6056

Deuteranopia

62.5287, 61.2618, 82.6578



Tritanopia

66.7335, 60.7725, 66.6056

Trichromacy



Original Color

70.2002, 60.9030, 83.6568



Protanomaly

63.4232, 60.5526, 89.2340



Deuteranomaly

65.1621, 60.9121, 83.1857



Tritanomaly

67.9874, 60.9663, 72.4743

Monochromacy



Original Color

70.2002, 60.9030, 83.6568



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

64.2068, 62.9910, 75.1041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2002, 60.9030, 83.6568 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(246, 187, 231)` looks like.

```
.text, #text, p{  
    color:rgb(246, 187, 231)  
}
```

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(246, 187, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 187, 231) }
```

Border

The CSS property to change the border of an element to XYZ 70.2002, 60.9030, 83.6568 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(246, 187, 231) }
```


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

```
.border{ border-color:rgb(246, 187, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 187, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 187, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 187, 231);  
box-shadow:4px 4px 4px 4px rgb(246, 187,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2002, 60.9030, 83.6568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 187, 231) }
```

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

```
.background{ background-color: rgb(246,  
187, 231) }
```

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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