

Converting Colors

XYZ(76.8845, 71.4515, 85.9975)

Have a look what the booklet for
XYZ(76.8845, 71.4515, 85.9975)
contains.

XYZ(76.9050, 71.4472, 86.0813)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(76.9050, 71.4472,
86.0813)**

Conversions

Conversions Part 1

Format	Color
Hex	FBD0E8
RGB	251, 208, 232
RGB Percent	98%, 82%, 91%
CMY	0.0157, 0.1843, 0.0902
CMYK	0.00, 0.17, 0.08, 0.02
HSL	327°, 84%, 90%
HSV	327°, 17%, 98%
XYZ	76.9050, 71.4472, 86.0813
YIQ	223.5930, 17.9240, 16.5800

Conversions

Conversions Part 2

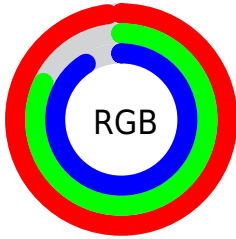
Format	Color
R _Y B	251, 208, 232
Decimal	16503016
CIE Lab	87.70, 18.93, -6.14
CIE LCh	88, 19.896, 342.037
Yxy	71.4472, 0.3280, 0.3048
Android (android.graphics.Color)	4294693096 (0xFFFFBD0E8)
YUV	223.5930, 4.1447, 24.0359
Hunter-Lab	84.5264, 14.4840, -1.2121

Details

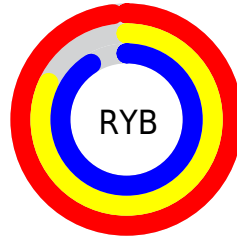
The XYZ color **76.9050, 71.4472, 86.0813** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **74.3775, 87.9522, 85.7335**, and the grayscale version is **70.5253, 74.1982, 80.8018**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4758, 37.3864, 46.1046** is the 20% darker color. If you saturate the color by 10%, you get **69.7372, 59.5532, 76.1628**, and if you desaturate by 10%, it is **85.1447, 85.3240, 96.8494**.

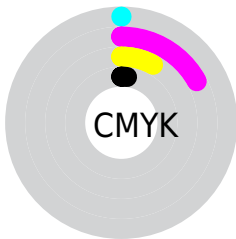
Distribution



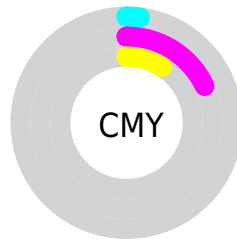
- Red (98%)
- Green (82%)
- Blue (91%)



- Red (98%)
- Yellow (82%)
- Blue (91%)



- Cyan (0%)
- Magenta (17%)
- Yellow (8%)
- Black (2%)





- Cyan (2%)
- Magenta (18%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.9050, 71.4472, 86.0813 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 76.9050, 71.4472, 86.0813 by changing the saturation by 10% instead.


 76.9050, 71.4472,
86.0813

 76.9050, 71.4472,
86.0813


473.3370,
465.6152, 535.4369

 57.4746, 52.7072,
64.1799


127.9789,
121.2703, 143.7705

 41.6280, 37.5691,
46.3493


160.3531,
153.1222, 180.3954

 28.9999, 25.6484,
32.1709


197.7726,
190.1135, 222.7652

 19.2251, 16.5608,
21.2262

240.6028,
232.6286, 271.2984

 11.9380, 9.9219,
13.0966

289.2089,
281.0519, 326.4137

 6.7734, 5.3472,
7.3636

343.9564,

 3.3658, 2.4524,

335.7679, 388.5295

3.6086

405.2107,
397.1609, 458.0644

■ 1.3500, 0.8526,
1.4132

■ 0.2202, 0.0000,
0.1520

■ 76.9050, 71.4472,
86.0813

■ 76.9050, 71.4472,
86.0813

■ 69.7372, 59.5532,
76.1628

■ 85.1447, 85.3240,
96.8494

■ 63.5880, 49.5410,
67.0647

■ 93.4631, 99.1971,
108.1423

■ 58.4083, 41.3148,
58.7622

■ 93.5941, 99.2494,
108.8319

■ 54.1428, 34.7666,
51.2274

■ 50.7298, 29.7766,
44.4299

■ 48.0999, 26.2090,
38.3363

■ 46.1715, 23.9040,
32.9091

■ 44.8404, 22.6571,
28.1026

■ 44.5238, 22.4053,
26.8210

Harmonies

Analogous

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



74.1634, 71.4472, 98.7207



76.9050, 71.4472, 86.0813



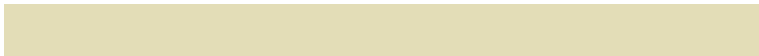
77.1689, 71.4472, 72.5026

Triad

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



76.9050, 71.4472, 86.0813



66.0348, 71.4472, 55.0583



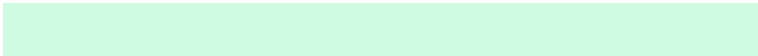
61.3936, 71.4472, 96.5121

Complementary

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



76.9050, 71.4472, 86.0813



74.3775, 87.9522, 85.7335

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.



59.4201, 71.4472, 83.3365



76.9050, 71.4472, 86.0813



62.0155, 71.4472, 60.0554

Square

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



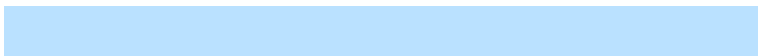
76.9050, 71.4472, 86.0813



70.7436, 71.4472, 55.6120



59.6423, 71.4472, 70.0562



65.1500, 71.4472, 105.2060

Rectangle

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



76.9050, 71.4472, 86.0813



75.8893, 71.4472, 64.8145



59.6423, 71.4472, 70.0562



60.5077, 71.4472, 92.3996

Sweetspot

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



76.9071, 71.4504, 86.0828



90.2226, 91.7756, 102.8811



71.5343, 68.3517, 100.6906



19.1712, 19.4057, 21.8436



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.



76.9071, 71.4504, 86.0828



76.7030, 69.0319, 85.1322



74.0832, 70.3208, 71.2128



17.6502, 17.3874, 20.0138



23.4778, 11.8069, 14.4906



2.2278, 1.1149, 1.6229

Inverse Universe

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



76.9071, 71.4504, 86.0828



76.7030, 69.0319, 85.1322



77.4758, 89.1915, 102.0488



17.6502, 17.3874, 20.0138



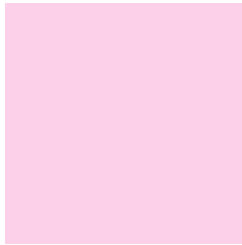
23.4778, 11.8069, 14.4906



2.2278, 1.1149, 1.6229

Previews

White Background



This preview shows how the XYZ color 76.9050, 71.4472, 86.0813 looks on a white background.

Color Contrast Check

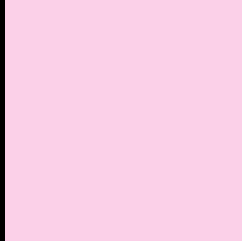
Large Text (above 18pt) WCAG AA × Fail

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 76.9050, 71.4472, 86.0813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

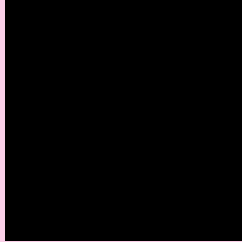
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.9050, 71.4472, 86.0813

Background



This preview shows how black text looks on a background with the XYZ color 76.9050, 71.4472, 86.0813.



This preview shows how white text looks on a background with the XYZ color 76.9050, 71.4472,

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

76.9050, 71.4472, 86.0813

Protanopia

70.1249, 71.9551, 91.8541

Deuteranopia

73.0624, 71.6955, 85.5891



Tritanopia

75.8154, 71.3612, 81.0123

Trichromacy



Original Color

76.9050, 71.4472, 86.0813

Protanomaly

72.3958, 71.6459, 89.3703

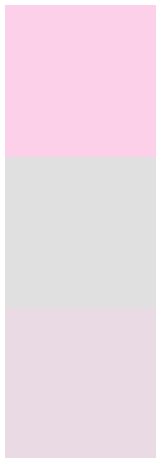
Deuteranomaly

74.2429, 71.5573, 85.5002

Tritanomaly

76.2284, 71.5264, 83.1871

Monochromacy



Original Color

76.9050, 71.4472, 86.0813

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

72.8682, 73.1813, 82.9579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.9050, 71.4472, 86.0813 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(251, 208, 232)` looks like.

```
.text, #text, p{  
    color:rgb(251, 208, 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(251, 208, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 208, 232) }
```

Border

The CSS property to change the border of an element to XYZ 76.9050, 71.4472, 86.0813 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(251, 208, 232) }
```


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

```
.border{ border-color:rgb(251, 208, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 208, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 208, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 208, 232);  
box-shadow:4px 4px 4px 4px rgb(251, 208,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 76.9050, 71.4472, 86.0813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 208, 232) }
```

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

```
.background{ background-color: rgb(251,  
208, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor