

Converting Colors

XYZ(70.7360, 57.8808, 80.7292)

Have a look what the booklet for
XYZ(70.7360, 57.8808, 80.7292)
contains.

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Color

**XYZ(70.7689, 57.9121,
80.8470)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB0E4
RGB	255, 176, 228
RGB Percent	100%, 69%, 89%
CMY	0.0000, 0.3098, 0.1059
CMYK	0.00, 0.31, 0.11, 0.00
HSL	321°, 100%, 85%
HSV	321°, 31%, 100%
XYZ	70.7689, 57.9121, 80.8470
YIQ	205.5490, 30.3920, 32.9200

Conversions

Conversions Part 2

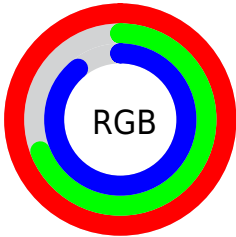
Format	Color
R_{YB}	255, 176, 228
Decimal	16756964
CIE _{Lab}	80.69, 36.41, -14.40
CIE _{LCh}	81, 39.157, 338.425
Yxy	57.9121, 0.3378, 0.2764
Android (android.graphics.Color)	4294947044 (0xFFFFB0E4)
YUV	205.5490, 11.0683, 43.3685
Hunter-Lab	76.1000, 32.8204, -9.7184

Details

The XYZ color **70.7689, 57.9121, 80.8470** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **64.4460, 85.0628, 69.5251**, and the grayscale version is **58.2974, 61.3334, 66.7920**.

A 20% lighter version of the original color is **88.1466, 86.1932, 106.5989**, and **37.5283, 28.8065, 43.1174** is the 20% darker color. If you saturate the color by 10%, you get **65.0511, 48.3641, 73.1217**, and if you desaturate by 10%, it is **77.4895, 69.3675, 89.2090**.

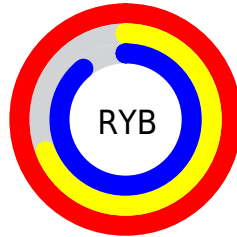
Distribution



Red (100%)

Green (69%)

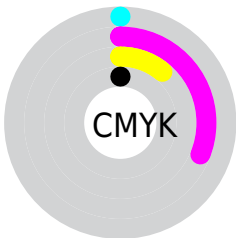
Blue (89%)



Red (100%)

Yellow (69%)

Blue (89%)

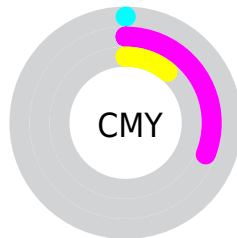


Cyan (0%)

Magenta (31%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (31%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.7689, 57.9121, 80.8470 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 70.7689, 57.9121, 80.8470 by changing the saturation by 10% instead.


 70.7689, 57.9121,
80.8470

 70.7689, 57.9121,
80.8470


452.4696,
416.8583, 517.5646

 52.4355, 41.7380,
59.8853


 119.3249,
101.7948, 136.3781

 37.5780, 28.8962,
42.9015

150.2782,
130.2723, 171.7845

 25.8310, 19.0023,
29.4770

186.1689,
163.6196, 212.8430

 16.8293, 11.6719,
19.1933

227.3622,
202.2212, 259.9720

 10.2074, 6.5207,
11.6318

274.2236,
246.4615, 313.5902

 5.6000, 3.1642,
6.3740


327.1184,


 2.6418, 1.2181,


296.7248, 374.1159


3.0014


386.4119,
353.3956, 441.9679


 0.9673, 0.0764,
1.0953


 0.0000, 0.0000,
0.0000

 70.7689, 57.9121,
80.8470


 70.7689, 57.9121,
80.8470


 65.0511, 48.3641,
73.1217


 77.4895, 69.3675,
89.2090

 60.2784, 40.6104,
66.0073

 85.2582, 82.8205,
98.2248

 56.3934, 34.5373,
59.4809

 94.1226, 98.3643,
107.9153

 53.3303, 30.0148,
53.5160

95.0500, 100.0000,
108.9000

■ 51.0140, 26.8940,
48.0828

■ 49.3541, 24.9961,
43.1464

■ 48.2934, 24.0814,
39.0729

Harmonies

Analogous

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



65.2601, 57.9121, 104.6648



70.7689, 57.9121, 80.8470



71.8617, 57.9121, 56.7675

Triad

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



70.7689, 57.9121, 80.8470



52.8016, 57.9121, 28.5244



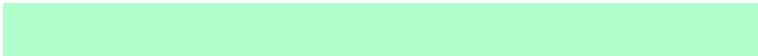
43.7618, 57.9121, 94.8990

Complementary

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



70.7689, 57.9121, 80.8470



64.4460, 85.0628, 69.5251

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.



41.0785, 57.9121, 69.7935



70.7689, 57.9121, 80.8470



45.9534, 57.9121, 34.2591

Square

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



70.7689, 57.9121, 80.8470



60.9481, 57.9121, 30.1045



41.8397, 57.9121, 48.0883



49.5335, 57.9121, 114.0596

Rectangle

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



70.7689, 57.9121, 80.8470



69.8465, 57.9121, 44.1823



41.8397, 57.9121, 48.0883



42.4957, 57.9121, 86.6603

Sweetspot

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



70.7703, 57.9145, 80.8482



86.9233, 85.7264, 100.0875



58.0250, 50.8767, 101.3697



18.3421, 17.8898, 21.1290



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.



70.7703, 57.9145, 80.8482



67.2097, 51.9420, 76.1207



65.9705, 55.9946, 55.5729



18.5134, 18.1887, 21.3206



25.3072, 12.6122, 20.7999



2.5154, 1.2485, 2.2953

Inverse Universe

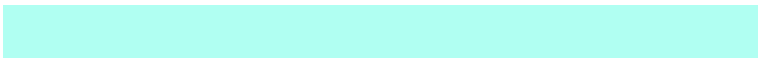
The Inverse Universe completely reimagines the original color for something new.



70.7703, 57.9145, 80.8482



67.2097, 51.9420, 76.1207



69.6680, 87.1517, 97.0241



18.5134, 18.1887, 21.3206



25.3072, 12.6122, 20.7999



2.5154, 1.2485, 2.2953

Previews

White Background



This preview shows how the XYZ color 70.7689, 57.9121, 80.8470 looks on a white background.

Color Contrast Check

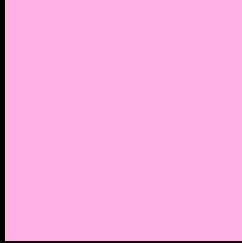
Large Text (above 18pt) WCAG AA × Fail

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 70.7689, 57.9121, 80.8470 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 70.7689, 57.9121, 80.8470

Background



This preview shows how black text looks on a background with the XYZ color 70.7689, 57.9121, 80.8470.



This preview shows how white text looks on a background with the XYZ color 70.7689, 57.9121,

80.8470.

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

70.7689, 57.9121, 80.8470

Protanopia

58.0869, 58.3943, 93.0037

Deuteranopia

59.2641, 57.9673, 78.5863



Tritanopia

66.4754, 57.9506, 59.9065

Trichromacy



Original Color

70.7689, 57.9121, 80.8470



Protanomaly

61.7950, 57.7308, 88.7751



Deuteranomaly

62.9379, 57.5714, 79.0294



Tritanomaly

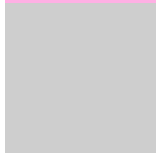
67.8513, 57.8920, 67.2726

Monochromacy



Original Color

70.7689, 57.9121, 80.8470



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

62.3932, 59.7325, 71.8594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7689, 57.9121, 80.8470 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, 176, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 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, 176, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 228) }
```

Border

The CSS property to change the border of an element to XYZ 70.7689, 57.9121, 80.8470 is called "border". The border property can be set on classes, ids or directly on the HTML element.

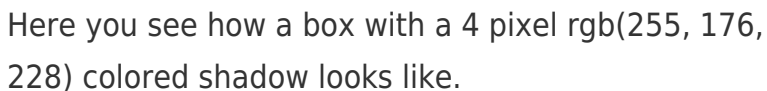
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 176, 228) }
```


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

```
.border{ border-color:rgb(255, 176, 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, 176, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 176, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 176, 228); box-shadow:4px 4px 4px 4px rgb(255, 176, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7689, 57.9121, 80.8470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 176, 228) }
```

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

```
.background{ background-color: rgb(255,  
176, 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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