

Converting Colors

XYZ(88.7838, 70.4240, 81.8400)

Have a look what the booklet for
XYZ(88.7838, 70.4240, 81.8400)
contains.

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Color

**XYZ(72.8755, 62.3467,
80.8662)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBBE3
RGB	255, 187, 227
RGB Percent	100%, 73%, 89%
CMY	0.0000, 0.2666, 0.1098
CMYK	0.00, 0.27, 0.11, 0.00
HSL	325°, 100%, 87%
HSV	325°, 27%, 100%
XYZ	72.8755, 62.3467, 80.8662
YIQ	211.8920, 27.6880, 26.8560

Conversions

Conversions Part 2

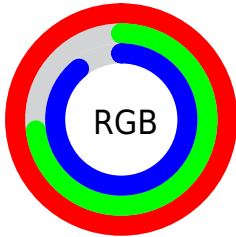
Format	Color
R_{YB}	255, 187, 227
Decimal	16759779
CIE Lab	83.10, 30.49, -10.26
CIE LCh	83, 32.170, 341.398
Yxy	62.3467, 0.3372, 0.2885
Android (android.graphics.Color)	4294949859 (0xFFFFBBE3)
YUV	211.8920, 7.4482, 37.8057
Hunter-Lab	78.9599, 26.5654, -5.4494

Details

The XYZ color **72.8755, 62.3467, 80.8662** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **68.5213, 86.9921, 77.4729**, and the grayscale version is **62.4481, 65.7003, 71.5476**.

A 20% lighter version of the original color is **91.6407, 93.1814, 107.7636**, and **38.8599, 31.6239, 43.0856** is the 20% darker color. If you saturate the color by 10%, you get **66.5330, 51.9107, 71.8188**, and if you desaturate by 10%, it is **80.2696, 74.7441, 90.7020**.

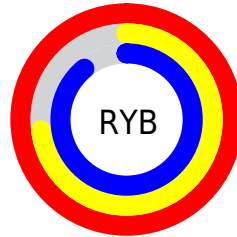
Distribution



Red (100%)

Green (73%)

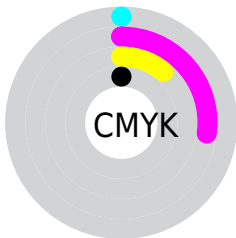
Blue (89%)



Red (100%)

Yellow (73%)

Blue (89%)

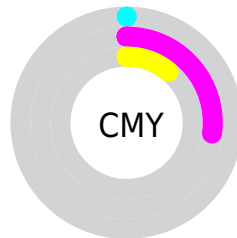


Cyan (0%)

Magenta (27%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (27%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.8755, 62.3467, 80.8662 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 72.8755, 62.3467, 80.8662 by changing the saturation by 10% instead.


 72.8755, 62.3467,
80.8662

 72.8755, 62.3467,
80.8662


459.6937,
433.1946, 517.6308

 54.1622, 45.3129,
59.9011


 122.3045,
108.2265, 136.4053

 38.9625, 31.7040,
42.9141


153.7510,
137.8412, 171.8163

 26.9112, 21.1355,
29.4868


190.1725,
172.4184, 212.8796

 17.6428, 13.2231,
19.2007

231.9344,
212.3424, 260.0139

 10.7919, 7.5823,
11.6371

279.4022,
257.9976, 313.6376

 5.9934, 3.8289,
6.3775

332.9410,

 2.8817, 1.5783,

309.7685, 374.1693

3.0035

392.9164,
368.0393, 442.0275

■ 1.0915, 0.3429,
1.0964

■ 0.0180, 0.0000,
0.0000

■ 72.8755, 62.3467,
80.8662

■ 72.8755, 62.3467,
80.8662

■ 66.5330, 51.9107,
71.8188

■ 80.2696, 74.7441,
90.7020

■ 61.1856, 43.3262,
63.5306

■ 88.7599, 89.1900,
101.3459

■ 56.7776, 36.4841,
55.9761

95.0500, 100.0000,
108.9000

■ 53.2458, 31.2607,
49.1261

■ 50.5188, 27.5157,
42.9482

■ 48.5129, 25.0847,
37.4061

■ 47.1233, 23.7610,
32.4557

■ 46.7446, 23.4619,
30.9170

Harmonies

Analogous

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



68.5609, 62.3467, 100.9028



72.8755, 62.3467, 80.8662



73.3765, 62.3467, 60.5856

Triad

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



72.8755, 62.3467, 80.8662



56.6519, 62.3467, 36.8071



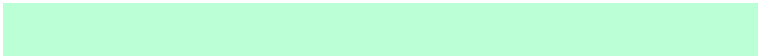
49.7718, 62.3467, 96.5302

Complementary

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



72.8755, 62.3467, 80.8662



68.5213, 86.9921, 77.4729

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.



47.0789, 62.3467, 75.7482



72.8755, 62.3467, 80.8662



50.8384, 62.3467, 42.9923

Square

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



72.8755, 62.3467, 80.8662



63.6331, 62.3467, 37.6425



47.4534, 62.3467, 56.3730



55.0894, 62.3467, 111.0977

Rectangle

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



72.8755, 62.3467, 80.8662



71.4375, 62.3467, 49.8035



47.4534, 62.3467, 56.3730



48.5492, 62.3467, 89.8856

Sweetspot

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



72.8769, 62.3493, 80.8675



87.5607, 87.1386, 99.8766



63.6126, 57.0900, 102.2745



18.4577, 18.1664, 21.0272



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.



72.8769, 62.3493, 80.8675



69.3647, 56.5425, 75.9432



68.7273, 60.6895, 59.0163



18.4577, 18.1664, 21.0272



24.5011, 12.2898, 16.5554



2.4399, 1.2184, 1.8982

Inverse Universe

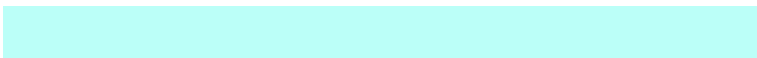
The Inverse Universe completely reimagines the original color for something new.



72.8769, 62.3493, 80.8675



69.3647, 56.5425, 75.9432



73.2294, 88.8753, 102.2652



18.4577, 18.1664, 21.0272



24.5011, 12.2898, 16.5554



2.4399, 1.2184, 1.8982

Previews

White Background



This preview shows how the XYZ color 72.8755, 62.3467, 80.8662 looks on a white background.

Color Contrast Check

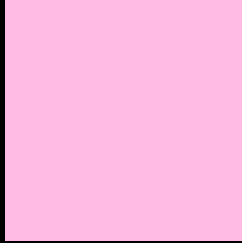
Large Text (above 18pt) WCAG AA × Fail

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 72.8755, 62.3467, 80.8662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

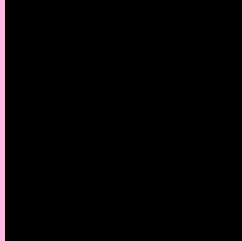
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.8755, 62.3467, 80.8662

Background



This preview shows how black text looks on a background with the XYZ color 72.8755, 62.3467, 80.8662.



This preview shows how white text looks on a background with the XYZ color 72.8755, 62.3467,

80.8662.

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

72.8755, 62.3467, 80.8662

Protanopia

61.7387, 62.7921, 90.5275

Deuteranopia

63.8564, 62.3708, 79.1942



Tritanopia

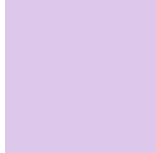
69.7951, 62.3648, 66.1166

Trichromacy



Original Color

72.8755, 62.3467, 80.8662



Protanomaly

65.2376, 62.2172, 87.1680



Deuteranomaly

66.9348, 62.2397, 79.7198



Tritanomaly

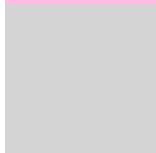
70.9317, 62.5137, 71.2786

Monochromacy



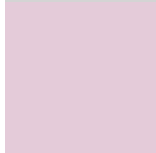
Original Color

72.8755, 62.3467, 80.8662



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

65.8752, 64.2156, 74.5685

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.8755, 62.3467, 80.8662 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, 187, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 187, 227)  
}
```

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, 187, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 187, 227) }
```

Border

The CSS property to change the border of an element to XYZ 72.8755, 62.3467, 80.8662 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, 187, 227) }
```


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

```
.border{ border-color:rgb(255, 187, 227) }
```

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

Here you see how a box with a 4 pixel rgb(255, 187, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 187, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 187, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 187,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 72.8755, 62.3467, 80.8662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 187, 227) }
```

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

```
.background{ background-color: rgb(255,  
187, 227) }
```

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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