

Converting Colors

XYZ(87.8271, 70.2510, 78.2464)

Have a look what the booklet for
XYZ(87.8271, 70.2510, 78.2464)
contains.

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Color

**XYZ(72.1951, 62.0746,
77.2837)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBBDE
RGB	255, 187, 222
RGB Percent	100%, 73%, 87%
CMY	0.0000, 0.2666, 0.1294
CMYK	0.00, 0.27, 0.13, 0.00
HSL	329°, 100%, 87%
HSV	329°, 27%, 100%
XYZ	72.1951, 62.0746, 77.2837
YIQ	211.3220, 29.2930, 25.3010

Conversions

Conversions Part 2

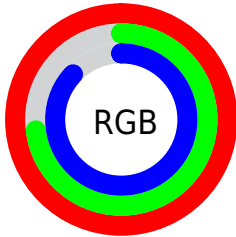
Format	Color
R _Y B	255, 187, 222
Decimal	16759774
CIE Lab	82.95, 29.68, -7.80
CIE LCh	83, 30.690, 345.284
Yxy	62.0746, 0.3413, 0.2934
Android (android.graphics.Color)	4294949854 (0xFFFFBBDE)
YUV	211.3220, 5.2643, 38.3056
Hunter-Lab	78.7874, 25.6865, -3.0072

Details

The XYZ color **72.1951, 62.0746, 77.2837** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **69.1740, 87.2532, 80.9093**, and the grayscale version is **62.0838, 65.3170, 71.1302**.

A 20% lighter version of the original color is **91.6407, 93.1814, 107.7636**, and **38.3885, 31.4354, 40.6036** is the 20% darker color. If you saturate the color by 10%, you get **65.6597, 51.5615, 67.2201**, and if you desaturate by 10%, it is **79.8157, 74.5627, 88.3113**.

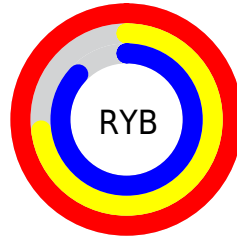
Distribution



Red (100%)

Green (73%)

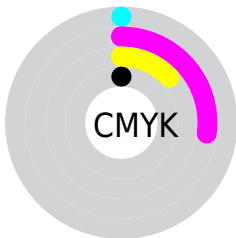
Blue (87%)



Red (100%)

Yellow (73%)

Blue (87%)

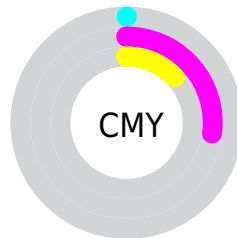


Cyan (0%)

Magenta (27%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (27%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.1951, 62.0746, 77.2837 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 72.1951, 62.0746, 77.2837 by changing the saturation by 10% instead.


 72.1951, 62.0746,
77.2837

 72.1951, 62.0746,
77.2837

457.3675,
432.2032, 505.1941

 53.6041, 45.0930,
56.9728


 121.3432,
107.8333, 131.3165

 38.5146, 31.5307,
40.5742

152.6310,
137.3793, 165.8756

 26.5614, 21.0033,
27.6693


188.8817,
171.8821, 206.0210

 17.3790, 13.1264,
17.8397

230.4608,
211.7261, 252.1715

 10.6020, 7.5156,
10.6667

277.7336,
257.2959, 304.7455

 5.8652, 3.7866,
5.7318

331.0654,

 2.8032, 1.5549,

308.9757, 364.1616

2.6166

390.8215,
367.1500, 430.8383

■ 1.0505, 0.3269,
0.9010

■ 0.0000, 0.0000,
0.0000

■ 72.1951, 62.0746,
77.2837

■ 72.1951, 62.0746,
77.2837

■ 65.6597, 51.5615,
67.2201

■ 79.8157, 74.5627,
88.3113

■ 60.1517, 42.9127,
58.0861

■ 88.5667, 89.1128,
100.3281

■ 55.6144, 36.0189,
49.8504

95.0500, 100.0000,
108.9000

■ 51.9833, 30.7557,
42.4777

■ 49.1860, 26.9826,
35.9297

■ 47.1375, 24.5345,
30.1633

■ 45.7317, 23.2044,
25.1275

■ 45.3532, 22.9053,
23.5900

Harmonies

Analogous

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



68.5207, 62.0746, 96.6364



72.1951, 62.0746, 77.2837



72.1577, 62.0746, 58.4225

Triad

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



72.1951, 62.0746, 77.2837



55.7061, 62.0746, 38.1568



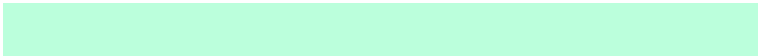
50.4853, 62.0746, 96.9617

Complementary

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



72.1951, 62.0746, 77.2837



69.1740, 87.2532, 80.9093

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.



47.5478, 62.0746, 77.6667



72.1951, 62.0746, 77.2837



50.4048, 62.0746, 45.0369

Square

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



72.1951, 62.0746, 77.2837



62.2947, 62.0746, 38.0928



47.5195, 62.0746, 58.7404



55.8237, 62.0746, 109.3599

Rectangle

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



72.1951, 62.0746, 77.2837



70.0187, 62.0746, 48.6334



47.5195, 62.0746, 58.7404



49.2026, 62.0746, 90.9224

Sweetspot

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



72.1966, 62.0773, 77.2850



87.3306, 87.0465, 98.6647



65.2975, 57.9586, 102.3533



18.3997, 18.1432, 20.7219



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.



72.1966, 62.0773, 77.2850



68.5773, 56.2276, 71.7969



68.1038, 60.4401, 55.7324



18.3997, 18.1432, 20.7219



23.7739, 11.9988, 12.7256



2.3700, 1.1904, 1.5298

Inverse Universe

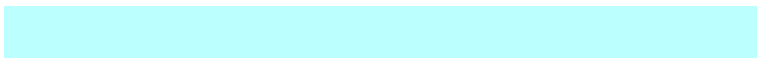
The Inverse Universe completely reimagines the original color for something new.



72.1966, 62.0773, 77.2850



68.5773, 56.2276, 71.7969



74.1231, 89.2328, 106.9711



18.3997, 18.1432, 20.7219



23.7739, 11.9988, 12.7256



2.3700, 1.1904, 1.5298

Previews

White Background



This preview shows how the XYZ color 72.1951, 62.0746, 77.2837 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 72.1951, 62.0746, 77.2837 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 72.1951, 62.0746, 77.2837

Background



This preview shows how black text looks on a background with the XYZ color 72.1951, 62.0746, 77.2837.



This preview shows how white text looks on a background with the XYZ color 72.1951, 62.0746,

77.2837.

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

72.1951, 62.0746, 77.2837

Protanopia

61.3112, 62.2997, 86.6355

Deuteranopia

63.4916, 62.2599, 75.6888



Tritanopia

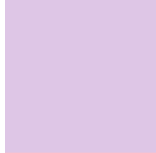
69.9409, 62.1173, 66.0612

Trichromacy



Original Color

72.1951, 62.0746, 77.2837



Protanomaly

64.6012, 61.6309, 83.3540



Deuteranomaly

66.2625, 61.9708, 76.1793



Tritanomaly

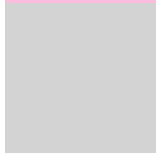
70.8285, 62.1692, 69.8948

Monochromacy



Original Color

72.1951, 62.0746, 77.2837



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

65.0648, 63.4782, 73.1132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1951, 62.0746, 77.2837 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, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 187, 222)  
}
```

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, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 187, 222) }
```

Border

The CSS property to change the border of an element to XYZ 72.1951, 62.0746, 77.2837 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, 222) }
```


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

```
.border{ border-color:rgb(255, 187, 222) }
```

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, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 187, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 187, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 187,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1951, 62.0746, 77.2837 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, 222) }
```

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

```
.background{ background-color: rgb(255,  
187, 222) }
```

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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