

Converting Colors

XYZ(145.7987, 100.0000,
86.3168)

Have a look what the booklet for
XYZ(145.7987, 100.0000, 86.3168)
contains.

XYZ(73.2933, 62.5138, 83.0663)	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(73.2933, 62.5138,
83.0663)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBBE6
RGB	255, 187, 230
RGB Percent	100%, 73%, 90%
CMY	0.0000, 0.2666, 0.0980
CMYK	0.00, 0.27, 0.10, 0.00
HSL	322°, 100%, 87%
HSV	322°, 27%, 100%
XYZ	73.2933, 62.5138, 83.0663
YIQ	212.2340, 26.7250, 27.7890

Conversions

Conversions Part 2

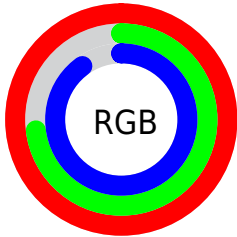
Format	Color
R _Y B	255, 187, 230
Decimal	16759782
CIE Lab	83.19, 30.98, -11.74
CIE LCh	83, 33.130, 339.250
Yxy	62.5138, 0.3349, 0.2856
Android (android.graphics.Color)	4294949862 (0xFFFFBBE6)
YUV	212.2340, 8.7586, 37.5058
Hunter-Lab	79.0657, 27.1033, -6.9440

Details

The XYZ color **73.2933, 62.5138, 83.0663** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **68.1392, 86.8392, 75.4608**, and the grayscale version is **62.6673, 65.9309, 71.7987**.

A 20% lighter version of the original color is **91.6407, 93.1814, 107.7636**, and **39.0535, 31.7014, 44.1050** is the 20% darker color. If you saturate the color by 10%, you get **67.0748, 52.1274, 74.6719**, and if you desaturate by 10%, it is **80.5458, 74.8545, 92.1565**.

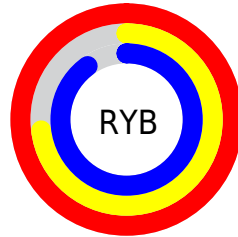
Distribution



Red (100%)

Green (73%)

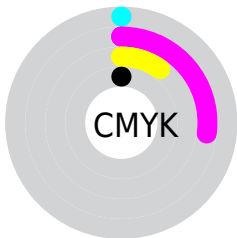
Blue (90%)



Red (100%)

Yellow (73%)

Blue (90%)

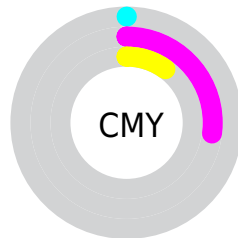


Cyan (0%)

Magenta (27%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (27%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.2933, 62.5138, 83.0663 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 73.2933, 62.5138, 83.0663 by changing the saturation by 10% instead.


 73.2933, 62.5138,
83.0663

 73.2933, 62.5138,
83.0663


461.1188,
433.8028, 525.1842

 54.5051, 45.4480,
61.7039


 122.8944,
108.4678, 139.5184

 39.2379, 31.8104,
44.3593

154.4379,
138.1247, 175.4452

 27.1264, 21.2168,
30.6138


190.9640,
172.7475, 217.0638

 17.8052, 13.2825,
20.0489

232.8378,
212.7205, 264.7929

 10.9091, 7.6234,
12.2462

280.4249,
258.4282, 319.0509

 6.0726, 3.8549,
6.7870


334.0905,


 2.9303, 1.5927,


310.2548, 380.2565

3.2528


394.2000,
368.5849, 448.8281


 1.1170, 0.3527,
1.2251


 0.0393, 0.0000,
0.0000


 73.2933, 62.5138,
83.0663


 73.2933, 62.5138,
83.0663

 67.0748, 52.1274,
74.6719


 80.5458, 74.8545,
92.1565

 61.8343, 43.5857,
66.9466

 88.8764, 89.2365,
101.9599

 57.5165, 36.7797,
59.8673

95.0500, 100.0000,
108.9000

 54.0589, 31.5859,
53.4074

■ 51.3903, 27.8643,
47.5374

■ 49.4277, 25.4506,
42.2235

■ 48.0670, 24.1385,
37.4249

■ 47.6948, 23.8419,
35.9204

Harmonies

Analogous

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



68.5927, 62.5138, 103.5272



73.2933, 62.5138, 83.0663



74.1203, 62.5138, 61.9037

Triad

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



73.2933, 62.5138, 83.0663



57.2246, 62.5138, 36.0117



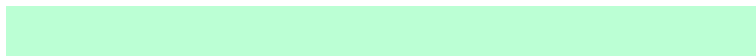
49.3498, 62.5138, 96.2901

Complementary

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



73.2933, 62.5138, 83.0663



68.1392, 86.8392, 75.4608

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.



46.8002, 62.5138, 74.6261



73.2933, 62.5138, 83.0663



51.0993, 62.5138, 41.7983

Square

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



73.2933, 62.5138, 83.0663



64.4469, 62.5138, 37.3704



47.4138, 62.5138, 54.9914



54.6568, 62.5138, 112.1673

Rectangle

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



73.2933, 62.5138, 83.0663



72.3025, 62.5138, 50.5090



47.4138, 62.5138, 54.9914



48.1621, 62.5138, 89.2843

Sweetspot

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



73.2947, 62.5164, 83.0676



87.6997, 87.1942, 100.6084



62.9548, 56.7508, 102.2437



18.4927, 18.1804, 21.2118



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.



73.2947, 62.5164, 83.0676



69.8508, 56.7370, 78.5031



68.9835, 60.7919, 60.3655



18.4927, 18.1804, 21.2118



24.9960, 12.4877, 19.1611



2.4865, 1.2370, 2.1431

Inverse Universe

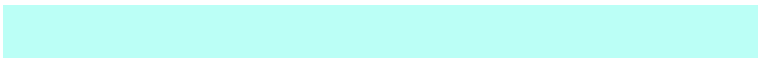
The Inverse Universe completely reimagines the original color for something new.



73.2947, 62.5164, 83.0676



69.8508, 56.7370, 78.5031



72.8794, 88.7353, 100.4222



18.4927, 18.1804, 21.2118



24.9960, 12.4877, 19.1611



2.4865, 1.2370, 2.1431

Previews

White Background



This preview shows how the XYZ color 73.2933, 62.5138, 83.0663 looks on a white background.

Color Contrast Check

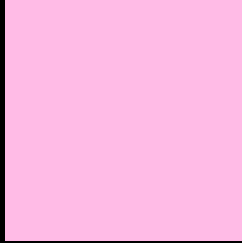
Large Text (above 18pt) WCAG AA × Fail

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 73.2933, 62.5138, 83.0663 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 73.2933, 62.5138, 83.0663

Background



This preview shows how black text looks on a background with the XYZ color 73.2933, 62.5138, 83.0663.



This preview shows how white text looks on a background with the XYZ color 73.2933, 62.5138,

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

73.2933, 62.5138, 83.0663

Protanopia

62.1857, 62.9709, 92.8815

Deuteranopia

64.1991, 62.8472, 81.4201



Tritanopia

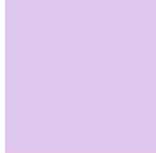
69.9163, 62.4133, 66.7545

Trichromacy



Original Color

73.2933, 62.5138, 83.0663



Protanomaly

65.6748, 62.3920, 89.4704



Deuteranomaly

67.2486, 62.6897, 81.9547



Tritanomaly

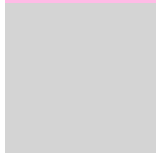
71.1872, 62.6159, 72.6241

Monochromacy



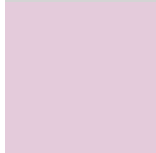
Original Color

73.2933, 62.5138, 83.0663



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

66.1370, 64.3203, 75.9471

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.2933, 62.5138, 83.0663 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 187, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 187, 230) }
```

Border

The CSS property to change the border of an element to XYZ 73.2933, 62.5138, 83.0663 is called "border". The border property can be set on classes, ids or directly on the HTML element.

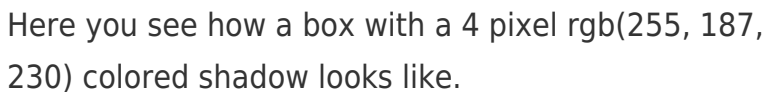
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 187, 230) }
```


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

```
.border{ border-color:rgb(255, 187, 230) }
```

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, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 187, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 187, 230); box-shadow:4px 4px 4px 4px rgb(255, 187, 230) }
```

Background

The CSS property to change the background color of an element to XYZ 73.2933, 62.5138, 83.0663 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, 230) }
```

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

```
.background{ background-color: rgb(255,  
187, 230) }
```

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