

Converting Colors

XYZ(110.3587, 80.2265,
77.1965)

Have a look what the booklet for
XYZ(110.3587, 80.2265, 77.1965)
contains.

XYZ(70.8862, 59.8832, 75.5327)	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(70.8862, 59.8832,
75.5327)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB6DC
RGB	255, 182, 220
RGB Percent	100%, 71%, 86%
CMY	0.0000, 0.2863, 0.1373
CMYK	0.00, 0.29, 0.14, 0.00
HSL	329°, 100%, 86%
HSV	329°, 29%, 100%
XYZ	70.8862, 59.8832, 75.5327
YIQ	208.1590, 31.3100, 27.2940

Conversions

Conversions Part 2

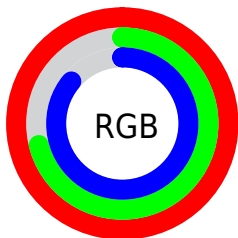
Format	Color
R _Y B	255, 182, 220
Decimal	16758492
CIE Lab	81.77, 31.99, -8.47
CIE LCh	82, 33.091, 345.170
Yxy	59.8832, 0.3436, 0.2903
Android (android.graphics.Color)	4294948572 (0xFFFFB6DC)
YUV	208.1590, 5.8376, 41.0796
Hunter-Lab	77.3842, 28.0888, -3.7024

Details

The XYZ color **70.8862, 59.8832, 75.5327** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **67.5779, 86.4758, 78.7787**, and the grayscale version is **60.0077, 63.1328, 68.7516**.

A 20% lighter version of the original color is **89.8645, 89.6291, 107.1715**, and **37.5367, 30.0253, 39.4144** is the 20% darker color. If you saturate the color by 10%, you get **64.5710, 49.7501, 65.7287**, and if you desaturate by 10%, it is **78.2735, 71.9704, 86.2800**.

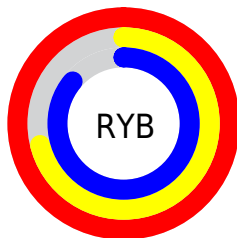
Distribution



Red (100%)

Green (71%)

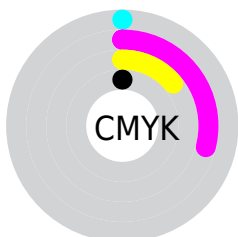
Blue (86%)



Red (100%)

Yellow (71%)

Blue (86%)

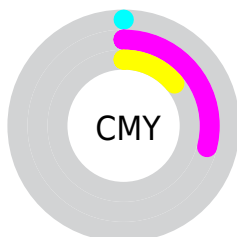


Cyan (0%)

Magenta (29%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (29%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.8862, 59.8832, 75.5327 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 70.8862, 59.8832, 75.5327 by changing the saturation by 10% instead.


 70.8862, 59.8832,
75.5327

 70.8862, 59.8832,
75.5327


452.8735,
424.1671, 499.0507

 52.5315, 43.3245,
55.5450


 119.4911,
104.6602, 128.8202

 37.6549, 30.1398,
39.4367

150.4720,
133.6473, 162.9571

 25.8910, 19.9447,
26.7892


186.3924,
167.5460, 202.6474

 16.8743, 12.3549,
17.1839

227.6175,
206.7407, 248.3099

 10.2397, 6.9858,
10.2024

274.5129,
251.6157, 300.3629

 5.6216, 3.4532,
5.4260

327.4438,

 2.6549, 1.3727,

302.5556, 359.2250

2.4362

386.7755,
359.9446, 425.3148

■ 0.9740, 0.1965,
0.8061

■ 0.0000, 0.0000,
0.0000

■ 70.8862, 59.8832,
75.5327

■ 70.8862, 59.8832,
75.5327

■ 64.5710, 49.7501,
65.7287

■ 78.2735, 71.9704,
86.2800

■ 59.2695, 41.4592,
56.8338

■ 86.7789, 86.1006,
97.9955

■ 54.9240, 34.8989,
48.8167

95.0500, 100.0000,
108.9000

■ 51.4688, 29.9421,
41.6421

■ 48.8294, 26.4443,
35.2716

■ 46.9179, 24.2344,
29.6614

■ 45.6101, 23.0689,
24.7551

■ 45.4553, 22.9461,
24.1273

Harmonies

Analogous

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



66.9647, 59.8832, 96.1918



70.8862, 59.8832, 75.5327



70.8624, 59.8832, 55.6624

Triad

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



70.8862, 59.8832, 75.5327



53.4805, 59.8832, 34.7214



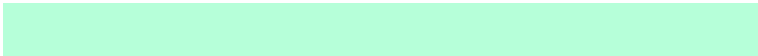
47.9787, 59.8832, 96.4002

Complementary

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



70.8862, 59.8832, 75.5327



67.5779, 86.4758, 78.7787

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.



44.9332, 59.8832, 75.7751



70.8862, 59.8832, 75.5327



47.9286, 59.8832, 41.7059

Square

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



70.8862, 59.8832, 75.5327



60.4183, 59.8832, 34.6828



44.9156, 59.8832, 55.8601



53.5540, 59.8832, 109.8090

Rectangle

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



70.8862, 59.8832, 75.5327



68.5953, 59.8832, 45.4925



44.9156, 59.8832, 55.8601



46.6460, 59.8832, 89.9139

Sweetspot

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



70.8876, 59.8858, 75.5339



86.4392, 85.5328, 97.5384



63.1188, 55.2880, 101.9527



18.2227, 17.8420, 20.5004



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.



70.8876, 59.8858, 75.5339



67.3629, 54.2021, 70.1486



66.6671, 58.1975, 53.3087



18.4043, 18.1450, 20.7461



23.8273, 12.0202, 13.0071



2.3752, 1.1925, 1.5573

Inverse Universe

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



70.8876, 59.8858, 75.5339



67.3629, 54.2021, 70.1486



72.7135, 88.5301, 105.8228



18.4043, 18.1450, 20.7461



23.8273, 12.0202, 13.0071



2.3752, 1.1925, 1.5573

Previews

White Background



This preview shows how the XYZ color 70.8862, 59.8832, 75.5327 looks on a white background.

Color Contrast Check

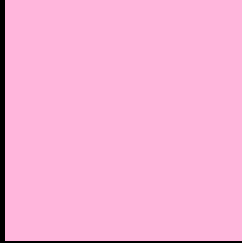
Large Text (above 18pt) WCAG AA × Fail

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 70.8862, 59.8832, 75.5327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

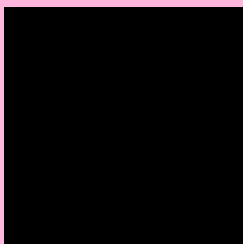
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.8862, 59.8832, 75.5327

Background



This preview shows how black text looks on a background with the XYZ color 70.8862, 59.8832, 75.5327.



This preview shows how white text looks on a background with the XYZ color 70.8862, 59.8832,

75.5327.

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

70.8862, 59.8832, 75.5327

Protanopia

59.3817, 60.2664, 85.5936

Deuteranopia

61.3337, 60.1496, 74.0230



Tritanopia

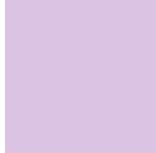
68.4922, 60.1706, 62.6477

Trichromacy



Original Color

70.8862, 59.8832, 75.5327



Protanomaly

62.7321, 59.6917, 81.6141



Deuteranomaly

64.4595, 59.7502, 74.4652



Tritanomaly

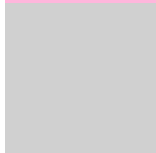
69.4845, 60.2737, 67.0032

Monochromacy



Original Color

70.8862, 59.8832, 75.5327



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

63.3584, 61.6079, 70.8395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.8862, 59.8832, 75.5327 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, 182, 220)` looks like.

```
.text, #text, p{  
    color:rgb(255, 182, 220)  
}
```

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, 182, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 182, 220) }
```

Border

The CSS property to change the border of an element to XYZ 70.8862, 59.8832, 75.5327 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, 182, 220) }
```


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

```
.border{ border-color:rgb(255, 182, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 182, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 182, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 182, 220);  
box-shadow:4px 4px 4px 4px rgb(255, 182,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 70.8862, 59.8832, 75.5327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 182, 220) }
```

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

```
.background{ background-color: rgb(255,  
182, 220) }
```

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