

Converting Colors

XYZ(72.6349, 59.6473, 87.6249)

Have a look what the booklet for
XYZ(72.6349, 59.6473, 87.6249)
contains.

XYZ(72.6462, 59.6146, 87.7987)	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(72.6462, 59.6146,
87.7987)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB3ED
RGB	255, 179, 237
RGB Percent	100%, 70%, 93%
CMY	0.0000, 0.2980, 0.0706
CMYK	0.00, 0.30, 0.07, 0.00
HSL	314°, 100%, 85%
HSV	314°, 30%, 100%
XYZ	72.6462, 59.6146, 87.7987
YIQ	208.3360, 26.6780, 34.1500

Conversions

Conversions Part 2

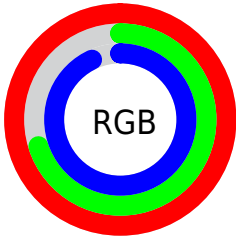
Format	Color
R _Y B	255, 179, 237
Decimal	16757741
CIE Lab	81.63, 36.34, -17.83
CIE LCh	82, 40.480, 333.867
Yxy	59.6146, 0.3301, 0.2709
Android (android.graphics.Color)	4294947821 (0xFFFFB3ED)
YUV	208.3360, 14.1314, 40.9243
Hunter-Lab	77.2105, 32.8296, -13.3733

Details

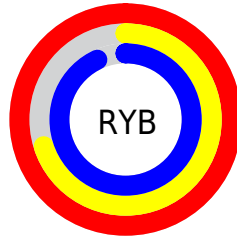
The XYZ color **72.6462, 59.6146, 87.7987** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **64.4303, 85.1358, 65.8631**, and the grayscale version is **60.0725, 63.2009, 68.8258**.

A 20% lighter version of the original color is **88.9983, 87.8967, 106.8828**, and **38.7001, 29.8737, 47.4426** is the 20% darker color. If you saturate the color by 10%, you get **67.1326, 49.9757, 81.6809**, and if you desaturate by 10%, it is **79.1371, 71.1601, 94.3905**.

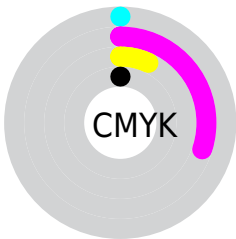
Distribution



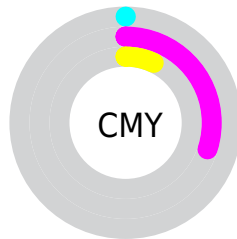
- Red (100%)
- Green (70%)
- Blue (93%)



- Red (100%)
- Yellow (70%)
- Blue (93%)



- Cyan (0%)
- Magenta (30%)
- Yellow (7%)
- Black (0%)





- Cyan (0%)
- Magenta (30%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.6462, 59.6146, 87.7987 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 72.6462, 59.6146, 87.7987 by changing the saturation by 10% instead.


 72.6462, 59.6146,
87.7987

 72.6462, 59.6146,
87.7987


458.9105,
423.1757, 541.2280

 53.9741, 43.1081,
65.5930


 121.9807,
104.2704, 146.1855

 38.8115, 29.9699,
47.4877

153.3737,
133.1884, 183.2038

 26.7932, 19.8158,
33.0642


189.7377,
167.0125, 225.9965

 17.5537, 12.2612,
21.9041

231.4381,
206.1268, 274.9824

 10.7278, 6.9218,
13.5888

278.8402,
250.9159, 330.5800

 5.9501, 3.4133,
7.6998

332.3094,

 2.8551, 1.3511,

301.7642, 393.2077

3.8184

392.2111,
359.0560, 463.2842

■ 1.0776, 0.1803,
1.5263

■ 0.0063, 0.0000,
0.2374

■ 72.6462, 59.6146,
87.7987

■ 72.6462, 59.6146,
87.7987

■ 67.1326, 49.9757,
81.6809

■ 79.1371, 71.1601,
94.3905

■ 62.5399, 42.1318,
76.0145

■ 86.6498, 84.7014,
101.4702

■ 58.8119, 35.9707,
70.7801

95.0500, 100.0000,
108.9000

■ 55.8846, 31.3647,
65.9549

■ 53.6845, 28.1675,
61.5129

■ 52.1244, 26.2050,
57.4236

■ 51.0647, 25.1986,
53.6389

■ 51.0457, 25.1823,
53.5659

Harmonies

Analogous

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



66.2713, 59.6146, 112.0759



72.6462, 59.6146, 87.7987



74.5921, 59.6146, 61.8030

Triad

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



72.6462, 59.6146, 87.7987



55.5663, 59.6146, 28.5010



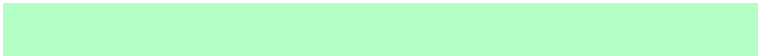
44.1402, 59.6146, 94.6603

Complementary

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



72.6462, 59.6146, 87.7987



64.4303, 85.1358, 65.8631

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.



41.8632, 59.6146, 68.1198



72.6462, 59.6146, 87.7987



48.0294, 59.6146, 33.2735

Square

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



72.6462, 59.6146, 87.7987



64.1735, 59.6146, 31.2914



43.2131, 59.6146, 46.3913



49.7605, 59.6146, 116.6830

Rectangle

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



72.6462, 59.6146, 87.7987



72.9692, 59.6146, 47.7461



43.2131, 59.6146, 46.3913



42.9854, 59.6146, 85.7616

Sweetspot

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



72.6475, 59.6170, 87.7999



87.2978, 85.8762, 102.0595



57.1286, 51.2975, 101.4981



18.4347, 17.9268, 21.6165



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.



72.6475, 59.6170, 87.7999



69.1176, 53.4234, 83.9527



67.7015, 57.6386, 61.7550



18.5979, 18.2225, 21.7655



26.7335, 13.1827, 28.3106



2.6452, 1.3004, 2.9789

Inverse Universe

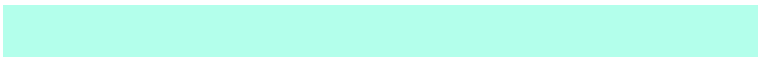
The Inverse Universe completely reimagines the original color for something new.



72.6475, 59.6170, 87.7999



69.1176, 53.4234, 83.9527



69.3088, 87.0872, 91.5531



18.5979, 18.2225, 21.7655



26.7335, 13.1827, 28.3106



2.6452, 1.3004, 2.9789

Previews

White Background



This preview shows how the XYZ color 72.6462, 59.6146, 87.7987 looks on a white background.

Color Contrast Check

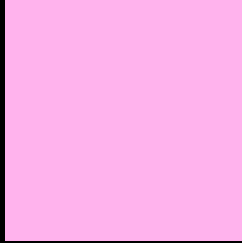
Large Text (above 18pt) WCAG AA × Fail

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 72.6462, 59.6146, 87.7987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

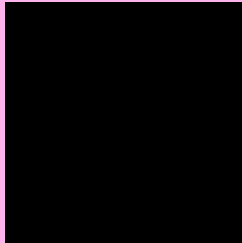
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.6462, 59.6146, 87.7987

Background



This preview shows how black text looks on a background with the XYZ color 72.6462, 59.6146, 87.7987.



This preview shows how white text looks on a background with the XYZ color 72.6462, 59.6146,

87.7987.

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

72.6462, 59.6146, 87.7987

Protanopia

59.9432, 59.8779, 100.4937

Deuteranopia

61.1966, 59.8267, 85.4131



Tritanopia

67.4086, 59.6119, 62.5970

Trichromacy



Original Color

72.6462, 59.6146, 87.7987



Protanomaly

63.5900, 59.1515, 96.0615



Deuteranomaly

64.8461, 59.3709, 85.8839



Tritanomaly

69.0886, 59.3665, 70.7683

Monochromacy



Original Color

72.6462, 59.6146, 87.7987



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

63.8038, 61.0545, 75.4397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.6462, 59.6146, 87.7987 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, 179, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 179, 237)  
}
```

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, 179, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 179, 237) }
```

Border

The CSS property to change the border of an element to XYZ 72.6462, 59.6146, 87.7987 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, 179, 237) }
```


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

```
.border{ border-color:rgb(255, 179, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 179, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 179, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 179, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 179,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 72.6462, 59.6146, 87.7987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 179, 237) }
```

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

```
.background{ background-color: rgb(255,  
179, 237) }
```

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