

Converting Colors

XYZ(72.4347, 59.3700, 87.1787)

Have a look what the booklet for
XYZ(72.4347, 59.3700, 87.1787)
contains.

XYZ(72.5004, 59.5563, 87.0312)	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(72.5004, 59.5563,
87.0312)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB3EC
RGB	255, 179, 236
RGB Percent	100%, 70%, 93%
CMY	0.0000, 0.2980, 0.0745
CMYK	0.00, 0.30, 0.07, 0.00
HSL	315°, 100%, 85%
HSV	315°, 30%, 100%
XYZ	72.5004, 59.5563, 87.0312
YIQ	208.2220, 26.9990, 33.8390

Conversions

Conversions Part 2

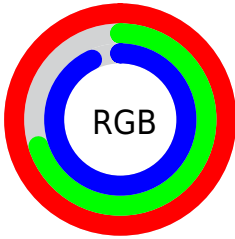
Format	Color
R _{YB}	255, 179, 236
Decimal	16757740
CIE Lab	81.60, 36.17, -17.34
CIE LCh	82, 40.114, 334.388
Yxy	59.5563, 0.3309, 0.2718
Android (android.graphics.Color)	4294947820 (0xFFFFB3EC)
YUV	208.2220, 13.6946, 41.0243
Hunter-Lab	77.1727, 32.6407, -12.8431

Details

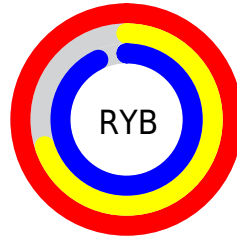
The XYZ color **72.5004, 59.5563, 87.0312** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **64.5454, 85.1818, 66.4688**, and the grayscale version is **60.0012, 63.1259, 68.7441**.

A 20% lighter version of the original color is **88.9983, 87.8967, 106.8828**, and **38.5978, 29.8328, 46.9040** is the 20% darker color. If you saturate the color by 10%, you get **66.9446, 49.9006, 80.6912**, and if you desaturate by 10%, it is **79.0369, 71.1200, 93.8628**.

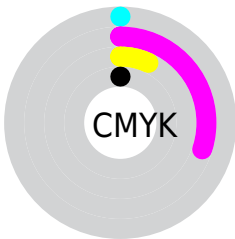
Distribution



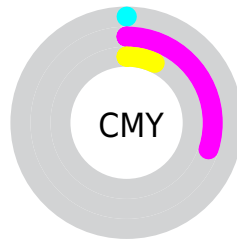
- Red (100%)
- Green (70%)
- Blue (93%)



- 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 72.5004, 59.5563, 87.0312 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 72.5004, 59.5563, 87.0312 by changing the saturation by 10% instead.


 72.5004, 59.5563,
87.0312

 72.5004, 59.5563,
87.0312


458.4121,
422.9604, 538.6443

 53.8545, 43.0611,
64.9613


 121.7747,
104.1858, 145.1069

 38.7155, 29.9331,
46.9785

153.1337,
133.0888, 181.9497

 26.7182, 19.7878,
32.6644


189.4612,
166.8966, 224.5539

 17.4972, 12.2409,
21.6005

231.1224,
205.9935, 273.3380

 10.6871, 6.9079,
13.3682

278.4827,
250.7639, 328.7205

 5.9226, 3.4046,
7.5488

331.9076,

 2.8383, 1.3464,

301.5923, 391.1201

3.7240

391.7622,
358.8630, 460.9551

■ 1.0688, 0.1767,
1.4752

■ 0.0000, 0.0000,
0.1994

■ 72.5004, 59.5563,
87.0312

■ 72.5004, 59.5563,
87.0312

■ 66.9446, 49.9006,
80.6912

■ 79.0369, 71.1200,
93.8628

■ 62.3131, 42.0411,
74.8200

■ 86.5986, 84.6809,
101.2001

■ 58.5495, 35.8658,
69.3978

95.0500, 100.0000,
108.9000

■ 55.5896, 31.2467,
64.4016

■ 53.3602, 28.0378,
59.8051

■ 51.7738, 26.0648,
55.5774

■ 50.6908, 25.0491,
51.6702

■ 50.6714, 25.0325,
51.5949

Harmonies

Analogous

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



66.2538, 59.5563, 111.1413



72.5004, 59.5563, 87.0312



74.3363, 59.5563, 61.3628

Triad

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



72.5004, 59.5563, 87.0312



55.3766, 59.5563, 28.7261



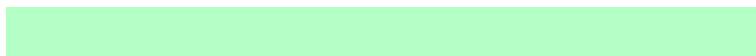
44.2671, 59.5563, 94.7250

Complementary

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



72.5004, 59.5563, 87.0312



64.5454, 85.1818, 66.4688

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.



41.9469, 59.5563, 68.4600



72.5004, 59.5563, 87.0312



47.9443, 59.5563, 33.6104

Square

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



72.5004, 59.5563, 87.0312



63.8990, 59.5563, 31.3725



43.2238, 59.5563, 46.7940



49.8910, 59.5563, 116.3008

Rectangle

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



72.5004, 59.5563, 87.0312



72.6730, 59.5563, 47.5202



43.2238, 59.5563, 46.7940



43.1017, 59.5563, 85.9431

Sweetspot

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



72.5018, 59.5587, 87.0324



87.2505, 85.8573, 101.8108



57.4611, 51.4689, 101.5137



18.4230, 17.9221, 21.5550



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.



72.5018, 59.5587, 87.0324



68.9453, 53.3545, 83.0455



67.5548, 57.5800, 60.9823



18.5872, 18.2182, 21.7094



26.5399, 13.1052, 27.2911



2.6278, 1.2935, 2.8872

Inverse Universe

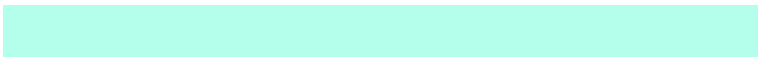
The Inverse Universe completely reimagines the original color for something new.



72.5018, 59.5587, 87.0324



68.9453, 53.3545, 83.0455



69.4923, 87.1606, 92.5190



18.5872, 18.2182, 21.7094



26.5399, 13.1052, 27.2911



2.6278, 1.2935, 2.8872

Previews

White Background



This preview shows how the XYZ color 72.5004, 59.5563, 87.0312 looks on a white background.

Color Contrast Check

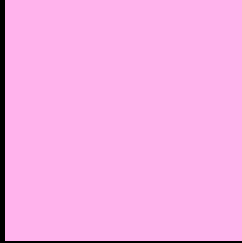
Large Text (above 18pt) WCAG AA × Fail

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 72.5004, 59.5563, 87.0312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

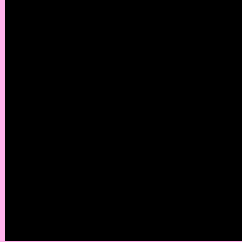
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.5004, 59.5563, 87.0312

Background



This preview shows how black text looks on a background with the XYZ color 72.5004, 59.5563, 87.0312.



This preview shows how white text looks on a background with the XYZ color 72.5004, 59.5563,

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

72.5004, 59.5563, 87.0312

Protanopia

60.0375, 59.9448, 99.6730

Deuteranopia

61.0541, 59.7697, 84.6627



Tritanopia

67.4086, 59.6119, 62.5970

Trichromacy



Original Color

72.5004, 59.5563, 87.0312



Protanomaly

63.7288, 59.2408, 95.2645



Deuteranomaly

64.7028, 59.3135, 85.1292



Tritanomaly

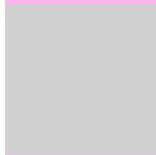
69.0886, 59.3665, 70.7683

Monochromacy



Original Color

72.5004, 59.5563, 87.0312



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

63.6725, 61.0020, 74.7483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.5004, 59.5563, 87.0312 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 179, 236)  
}
```

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, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 179, 236) }
```

Border

The CSS property to change the border of an element to XYZ 72.5004, 59.5563, 87.0312 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, 236) }
```


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

```
.border{ border-color:rgb(255, 179, 236) }
```

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, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 179, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 179, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 179,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 72.5004, 59.5563, 87.0312 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, 236) }
```

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

```
.background{ background-color: rgb(255,  
179, 236) }
```

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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