

Converting Colors

XYZ(63.7059, 47.2223, 89.9585)

Have a look what the booklet for
XYZ(63.7059, 47.2223, 89.9585)
contains.

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Color

**XYZ(63.5513, 47.1007,
89.7462)**

Conversions

Conversions Part 1

Format	Color
Hex	F296F2
RGB	242, 150, 242
RGB Percent	95%, 59%, 95%
CMY	0.0510, 0.4117, 0.0510
CMYK	0.00, 0.38, 0.00, 0.05
HSL	300°, 78%, 77%
HSV	300°, 38%, 95%
XYZ	63.5513, 47.1007, 89.7462
YIQ	187.9960, 25.3000, 48.1160

Conversions

Conversions Part 2

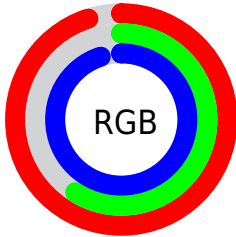
Format	Color
R _Y B	242, 150, 242
Decimal	15898354
CIE _{Lab}	74.25, 48.19, -31.91
CIE _{LCh}	74, 57.799, 326.490
Yxy	47.1007, 0.3171, 0.2350
Android (android.graphics.Color)	4294088434 (0xFFFF296F2)
YUV	187.9960, 26.6240, 47.3615
Hunter-Lab	68.6299, 45.1885, -29.4915

Details

The XYZ color **63.5513, 47.1007, 89.7462** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **49.8368, 72.1920, 40.1645**, and the grayscale version is **47.6426, 50.1238, 54.5848**.

A 20% lighter version of the original color is **81.3613, 72.6226, 104.3371**, and **32.9048, 22.2849, 49.0215** is the 20% darker color. If you saturate the color by 10%, you get **60.0816, 40.1603, 88.5899**, and if you desaturate by 10%, it is **67.8215, 55.6400, 91.1702**.

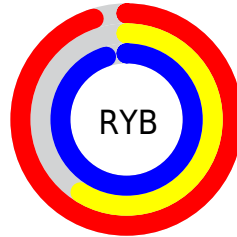
Distribution



Red (95%)

Green (59%)

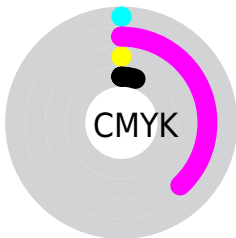
Blue (95%)



Red (95%)

Yellow (59%)

Blue (95%)

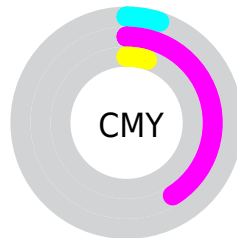


Cyan (0%)

Magenta (38%)

Yellow (0%)

Black (5%)



Cyan (5%)


Magenta (41%)


Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.5513, 47.1007, 89.7462 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 63.5513, 47.1007, 89.7462 by changing the saturation by 10% instead.


 63.5513, 47.1007,
89.7462


 63.5513, 47.1007,
89.7462


427.1954,
375.2163, 547.7537

 46.5477, 33.1153,
67.1976


 109.0418, 85.8639,
148.9182

 32.8847, 22.2148,
48.7827

 138.2595,
111.4105, 186.3788

 22.1969, 14.0148,
34.0827


172.2791,
141.5796, 229.6471

 14.1191, 8.1310,
22.6793

211.4662,
176.7555, 279.1417

 8.2858, 4.1789,
14.1538

256.1860,
217.3228, 335.2811

 4.3317, 1.7741,
8.0877

306.8039,

 1.8914, 0.4710,

263.6658, 398.4839

4.0626

363.6853,
316.1688, 469.1686

■ 0.5719, 0.0000,
1.6597

■ 0.0000, 0.0000,
0.3329

■ 63.5513, 47.1007,
89.7462

■ 63.5513, 47.1007,
89.7462

■ 60.0816, 40.1603,
88.5899

■ 67.8215, 55.6400,
91.1702

■ 57.3582, 34.7136,
87.6820

■ 72.9327, 65.8623,
92.8741

■ 55.3278, 30.6529,
87.0050

■ 78.9282, 77.8534,
94.8728

■ 53.9280, 27.8532,
86.5383

■ 85.8472, 91.6914,
97.1793

53.0850, 26.1673,
86.2571

88.4058, 96.8085,
98.0323

52.6976, 25.3926,
86.1278

88.4059, 96.8085,
98.0325

52.6455, 25.2883,
86.1104

88.4059, 96.8085,
98.0327

88.4059, 96.8085,
98.0328

88.4060, 96.8085,
98.0330

Harmonies

Analogous

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



54.2709, 47.1007, 121.3189



63.5513, 47.1007, 89.7462



67.7838, 47.1007, 54.8635

Triad

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



63.5513, 47.1007, 89.7462



46.0006, 47.1007, 12.7786



29.1783, 47.1007, 81.2306

Complementary

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



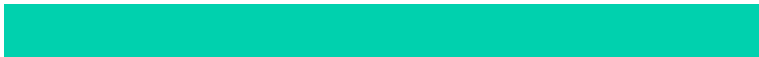
63.5513, 47.1007, 89.7462



49.8368, 72.1920, 40.1645

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.



27.6588, 47.1007, 47.8649



63.5513, 47.1007, 89.7462



36.4443, 47.1007, 15.2568

Square

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



63.5513, 47.1007, 89.7462



56.7123, 47.1007, 16.8696



30.1063, 47.1007, 25.7624



34.6305, 47.1007, 115.2127

Rectangle

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



63.5513, 47.1007, 89.7462



66.7562, 47.1007, 36.7138



30.1063, 47.1007, 25.7624



28.2309, 47.1007, 69.2758

Sweetspot

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



63.5528, 47.1028, 89.7472



86.7454, 83.3908, 106.1316



39.5131, 34.7098, 88.6228



18.3667, 17.4484, 22.6497



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.



63.5528, 47.1028, 89.7472



68.3353, 46.5709, 99.9943



57.4899, 44.6776, 57.8202



16.4543, 16.0314, 19.9487



28.2811, 13.5849, 46.2585



2.3527, 1.1301, 3.8483

Inverse Universe

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



63.5528, 47.1028, 89.7472



68.3353, 46.5709, 99.9943



54.2955, 73.9755, 63.6437



16.4543, 16.0314, 19.9487



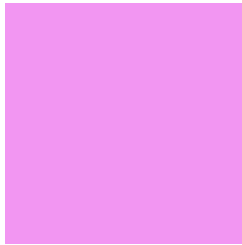
28.2811, 13.5849, 46.2585



2.3527, 1.1301, 3.8483

Previews

White Background



This preview shows how the XYZ color 63.5513, 47.1007, 89.7462 looks on a white background.

Color Contrast Check

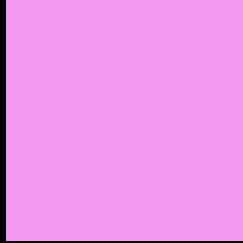
Large Text (above 18pt) WCAG AA × Fail

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 63.5513, 47.1007, 89.7462 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 63.5513, 47.1007, 89.7462

Background



This preview shows how black text looks on a background with the XYZ color 63.5513, 47.1007, 89.7462.



This preview shows how white text looks on a background with the XYZ color 63.5513, 47.1007,

89.7462.

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

63.5513, 47.1007, 89.7462

Protanopia

49.0711, 47.7413, 101.2364

Deuteranopia

48.6206, 47.5276, 86.7319



Tritanopia

54.7162, 47.0091, 47.2641

Trichromacy



Original Color

63.5513, 47.1007, 89.7462



Protanomaly

52.8652, 46.5987, 96.6506



Deuteranomaly

52.7939, 46.4782, 87.8500



Tritanomaly

57.4155, 46.7993, 60.6506

Monochromacy



Original Color

63.5513, 47.1007, 89.7462



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

52.5336, 48.2361, 66.2162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.5513, 47.1007, 89.7462 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(242, 150, 242)` looks like.

```
.text, #text, p{  
    color:rgb(242, 150, 242)  
}
```

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(242, 150, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 150, 242) }
```

Border

The CSS property to change the border of an element to XYZ 63.5513, 47.1007, 89.7462 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(242, 150, 242) }
```


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

```
.border{ border-color:rgb(242, 150, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 150, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 150, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 150, 242);  
box-shadow:4px 4px 4px 4px rgb(242, 150,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 63.5513, 47.1007, 89.7462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 150, 242) }
```

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

```
.background{ background-color: rgb(242,  
150, 242) }
```

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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