

Converting Colors

XYZ(63.8423, 47.6817, 89.8437)

Have a look what the booklet for
XYZ(63.8423, 47.6817, 89.8437)
contains.

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Color

**XYZ(63.8732, 47.7445,
89.8535)**

Conversions

Conversions Part 1

Format	Color
Hex	F298F2
RGB	242, 152, 242
RGB Percent	95%, 60%, 95%
CMY	0.0510, 0.4039, 0.0510
CMYK	0.00, 0.37, 0.00, 0.05
HSL	300°, 78%, 77%
HSV	300°, 37%, 95%
XYZ	63.8732, 47.7445, 89.8535
YIQ	189.1700, 24.7500, 47.0700

Conversions

Conversions Part 2

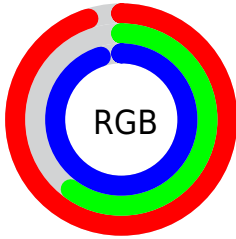
Format	Color
R _Y B	242, 152, 242
Decimal	15898866
CIE Lab	74.66, 47.16, -31.28
CIE LCh	75, 56.594, 326.448
Yxy	47.7445, 0.3170, 0.2370
Android (android.graphics.Color)	4294088946 (0xFFFF298F2)
YUV	189.1700, 26.0452, 46.3319
Hunter-Lab	69.0974, 44.0838, -28.7319

Details

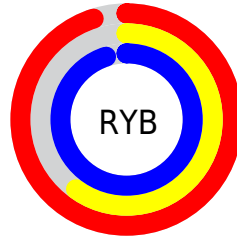
The XYZ color **63.8732, 47.7445, 89.8535** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **50.3705, 72.4484, 41.0376**, and the grayscale version is **48.3142, 50.8303, 55.3541**.

A 20% lighter version of the original color is **81.8459, 73.5918, 104.4986**, and **33.0919, 22.6592, 49.0839** is the 20% darker color. If you saturate the color by 10%, you get **60.3394, 40.6760, 88.6759**, and if you desaturate by 10%, it is **68.2114, 56.4197, 91.3002**.

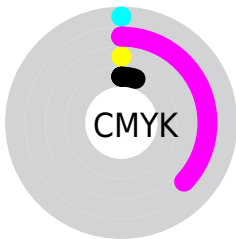
Distribution



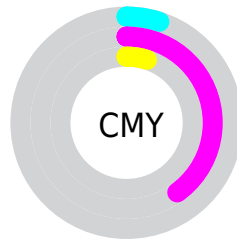
- Red (95%)
- Green (60%)
- Blue (95%)



- Red (95%)
- Yellow (60%)
- Blue (95%)



- Cyan (0%)
- Magenta (37%)
- Yellow (0%)
- Black (5%)





- Cyan (5%)
- Magenta (40%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.8732, 47.7445, 89.8535 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 63.8732, 47.7445, 89.8535 by changing the saturation by 10% instead.


 63.8732, 47.7445,
89.8535


 63.8732, 47.7445,
89.8535


428.3411,
377.7785, 548.1120

 46.8093, 33.6246,
67.2861

 109.5031, 86.8239,
149.0686

 33.0922, 22.6054,
48.8541


 138.7997,
112.5521, 186.5534

 22.3567, 14.3024,
34.1390


172.9046,
142.9186, 229.8478

 14.2373, 8.3313,
22.7222

212.1832,
178.3077, 279.3703

 8.3687, 4.3076,
14.1851

257.0008,
219.1039, 335.5394

 4.3855, 1.8471,
8.1093

307.7227,

 1.9225, 0.5163,

265.6915, 398.7737

4.0762

364.7144,
318.4549, 469.4917

■ 0.5898, 0.0000,
1.6672

■ 0.0000, 0.0000,
0.3381

■ 63.8732, 47.7445,
89.8535

■ 63.8732, 47.7445,
89.8535

■ 60.3394, 40.6760,
88.6759

■ 68.2114, 56.4197,
91.3002

■ 57.5562, 35.1097,
87.7480

■ 73.3941, 66.7852,
93.0279

■ 55.4708, 30.9389,
87.0527

■ 79.4645, 78.9260,
95.0516

■ 54.0215, 28.0402,
86.5694

■ 86.4615, 92.9200,
97.3841

53.1356, 26.2685,
86.2740

88.4058, 96.8085,
98.0323

52.7193, 25.4360,
86.1350

88.4059, 96.8085,
98.0325

52.6454, 25.2883,
86.1104

88.4059, 96.8085,
98.0327

88.4059, 96.8085,
98.0329

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.



54.7394, 47.7445, 120.6977



63.8732, 47.7445, 89.8535



68.0386, 47.7445, 55.5625

Triad

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



63.8732, 47.7445, 89.8535



46.6120, 47.7445, 13.5415



29.9176, 47.7445, 81.4073

Complementary

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



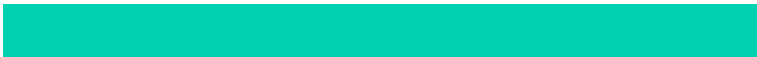
63.8732, 47.7445, 89.8535



50.3705, 72.4484, 41.0376

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.



28.4092, 47.7445, 48.5657



63.8732, 47.7445, 89.8535



37.1528, 47.7445, 16.0482

Square

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



63.8732, 47.7445, 89.8535



57.1717, 47.7445, 17.6995



30.8523, 47.7445, 26.6067



35.3321, 47.7445, 114.6680

Rectangle

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



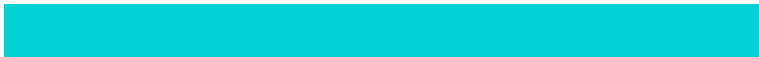
63.8732, 47.7445, 89.8535



67.0362, 47.7445, 37.5808



30.8523, 47.7445, 26.6067



28.9757, 47.7445, 69.6684

Sweetspot

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



63.8748, 47.7466, 89.8545



86.7454, 83.3908, 106.1316



40.2063, 35.5450, 88.7475



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.



63.8748, 47.7466, 89.8545



68.7045, 47.3092, 100.1173



57.9261, 45.3671, 58.5291



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.



63.8748, 47.7466, 89.8545



68.7045, 47.3092, 100.1173



54.7810, 74.2125, 64.2626



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 63.8732, 47.7445, 89.8535 looks on a white background.

Color Contrast Check

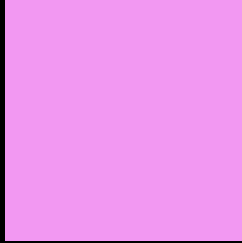
Large Text (above 18pt) WCAG AA × Fail

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 63.8732, 47.7445, 89.8535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

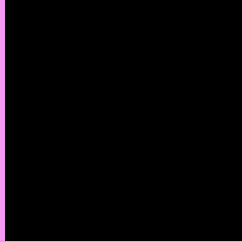
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.8732, 47.7445, 89.8535

Background



This preview shows how black text looks on a background with the XYZ color 63.8732, 47.7445, 89.8535.



This preview shows how white text looks on a background with the XYZ color 63.8732, 47.7445,

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

63.8732, 47.7445, 89.8535

Protanopia

49.6782, 48.3573, 101.3233

Deuteranopia

49.2655, 48.1608, 86.8202



Tritanopia

55.4227, 47.6170, 48.3894

Trichromacy



Original Color

63.8732, 47.7445, 89.8535



Protanomaly

53.3041, 47.1043, 96.7251



Deuteranomaly

53.5079, 47.1236, 87.9369



Tritanomaly

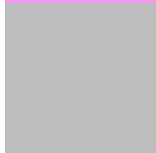
58.0385, 47.3632, 61.3414

Monochromacy



Original Color

63.8732, 47.7445, 89.8535



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

52.9229, 49.0146, 66.3459

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8732, 47.7445, 89.8535 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, 152, 242)` looks like.

```
.text, #text, p{  
    color:rgb(242, 152, 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, 152, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 152, 242) }
```

Border

The CSS property to change the border of an element to XYZ 63.8732, 47.7445, 89.8535 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, 152, 242) }
```


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

```
.border{ border-color:rgb(242, 152, 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, 152, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 152, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 152, 242);  
box-shadow:4px 4px 4px 4px rgb(242, 152,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8732, 47.7445, 89.8535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 152, 242) }
```

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

```
.background{ background-color: rgb(242,  
152, 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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