

Converting Colors

XYZ(59.0293, 39.1440, 84.4874)

Have a look what the booklet for
XYZ(59.0293, 39.1440, 84.4874)
contains.

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Color

**XYZ(58.9870, 39.1576,
84.5700)**

Conversions

Conversions Part 1

Format	Color
Hex	F27BED
RGB	242, 123, 237
RGB Percent	95%, 48%, 93%
CMY	0.0510, 0.5176, 0.0706
CMYK	0.00, 0.49, 0.02, 0.05
HSL	303°, 82%, 72%
HSV	303°, 49%, 95%
XYZ	58.9870, 39.1576, 84.5700
YIQ	171.5770, 34.3300, 60.6820

Conversions

Conversions Part 2

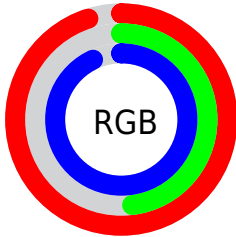
Format	Color
RYB	242, 123, 237
Decimal	15891437
CIELab	68.87, 60.69, -37.52
CIElCh	69, 71.355, 328.273
Yxy	39.1576, 0.3228, 0.2143
Android (android.graphics.Color)	4294081517 (0xFFFF27BED)
YUV	171.5770, 32.2535, 61.7610
Hunter-Lab	62.5760, 58.7541, -36.3258

Details

The XYZ color **58.9870, 39.1576, 84.5700** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **43.8185, 69.2753, 31.4864**, and the grayscale version is **38.8308, 40.8530, 44.4890**.

A 20% lighter version of the original color is **75.4101, 60.7202, 102.3534**, and **29.8761, 17.4178, 45.5034** is the 20% darker color. If you saturate the color by 10%, you get **56.1999, 33.8196, 82.9103**, and if you desaturate by 10%, it is **62.5195, 45.9832, 86.4831**.

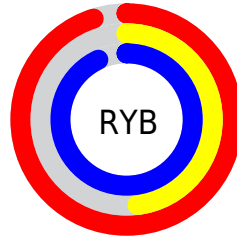
Distribution



Red (95%)

Green (48%)

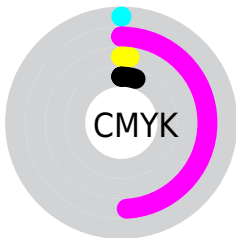
Blue (93%)



Red (95%)

Yellow (48%)

Blue (93%)

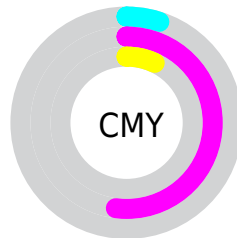


Cyan (0%)

Magenta (49%)

Yellow (2%)

Black (5%)



Cyan (5%)


Magenta (52%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.9870, 39.1576, 84.5700 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 58.9870, 39.1576, 84.5700 by changing the saturation by 10% instead.


 58.9870, 39.1576,
84.5700


 58.9870, 39.1576,
84.5700

410.7486,
342.5601, 530.3116


 42.8490, 26.8824,
62.9380

 102.4735, 73.8790,
141.6411

 29.9607, 17.4849,
45.3504


 130.5527, 97.0940,
177.9173

 19.9566, 10.5808,
31.3886

 163.3430,
124.7243, 219.9119

 12.4716, 5.7857,
20.6340

201.2098,
157.1544, 268.0436

 7.1402, 2.7152,
12.6681

244.5184,
194.7686, 322.7309

 3.5970, 0.9849,
7.0724

293.6341,

 1.4768, 0.0000,

237.9513, 384.3923

3.4283

348.9224,
287.0870, 453.4463

■ 0.3100, 0.0000,
1.3172

■ 0.0000, 0.0000,
0.0759

■ 58.9870, 39.1576,
84.5700

■ 58.9870, 39.1576,
84.5700

■ 56.1999, 33.8196,
82.9103

■ 62.5195, 45.9832,
86.4831

■ 54.0985, 29.8526,
81.4829


■ 66.8434, 54.3911,
88.6638


■ 52.6205, 27.1312,
80.2674


■ 72.0056, 64.4744,
91.1281

■ 51.6908, 25.5048,
79.2389


■ 78.0484, 76.3174,
93.8901


 51.1938, 24.7425,
78.3587

 85.0111, 89.9989,
96.9630

 51.1600, 24.6941,
78.2884

 88.5717, 96.8748,
98.9059

 88.7258, 96.9365,
99.7177

 88.8808, 96.9985,
100.5339

 89.0367, 97.0608,
101.3545

Harmonies

Analogous

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



48.5172, 39.1576, 124.5433



58.9870, 39.1576, 84.5700



63.5089, 39.1576, 44.5441

Triad

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



58.9870, 39.1576, 84.5700



37.8786, 39.1576, 5.7411



21.1430, 39.1576, 79.5319

Complementary

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



58.9870, 39.1576, 84.5700



43.8185, 69.2753, 31.4864

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.



19.4168, 39.1576, 40.7831



58.9870, 39.1576, 84.5700



27.8255, 39.1576, 7.9171

Square

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



58.9870, 39.1576, 84.5700



49.8869, 39.1576, 8.5450



21.5965, 39.1576, 17.5267



26.8992, 39.1576, 120.7403

Rectangle

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



58.9870, 39.1576, 84.5700



61.9674, 39.1576, 25.9166



21.5965, 39.1576, 17.5267



20.1307, 39.1576, 65.3361

Sweetspot

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



58.9883, 39.1594, 84.5708



83.7807, 77.8738, 103.8721



31.8592, 25.0882, 87.1690



17.6335, 16.0825, 22.0952



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.



58.9883, 39.1594, 84.5708



63.2944, 38.0912, 93.3752



51.7921, 36.2809, 46.6760



16.4239, 16.0193, 19.7884



27.4965, 13.2710, 42.1266



2.2963, 1.1076, 3.5511

Inverse Universe

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



58.9883, 39.1594, 84.5708



63.2944, 38.0912, 93.3752



48.8348, 71.2818, 57.9018



16.4239, 16.0193, 19.7884



27.4965, 13.2710, 42.1266



2.2963, 1.1076, 3.5511

Previews

White Background



This preview shows how the XYZ color 58.9870, 39.1576, 84.5700 looks on a white background.

Color Contrast Check

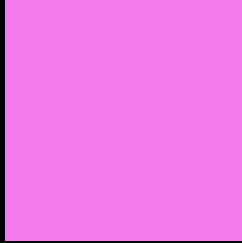
Large Text (above 18pt) WCAG AA × Fail

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 58.9870, 39.1576, 84.5700 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 58.9870, 39.1576, 84.5700

Background



This preview shows how black text looks on a background with the XYZ color 58.9870, 39.1576, 84.5700.



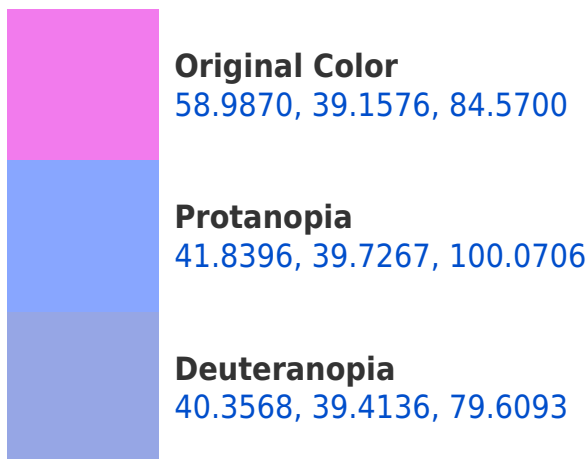
This preview shows how white text looks on a background with the XYZ color 58.9870, 39.1576, 84.5700.

84.5700.

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





Tritanopia

48.8509, 39.1006, 35.1094

Trichromacy



Original Color

58.9870, 39.1576, 84.5700



Protanomaly

45.5288, 37.7040, 93.6849



Deuteranomaly

45.0003, 37.7062, 81.2502



Tritanomaly

52.0480, 38.9019, 50.1130

Monochromacy



Original Color

58.9870, 39.1576, 84.5700



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

44.5454, 38.9670, 57.3981

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.9870, 39.1576, 84.5700 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, 123, 237)` looks like.

```
.text, #text, p{  
    color:rgb(242, 123, 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(242, 123, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 123, 237) }
```

Border

The CSS property to change the border of an element to XYZ 58.9870, 39.1576, 84.5700 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, 123, 237) }
```


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

```
.border{ border-color:rgb(242, 123, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 123, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 123, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 123, 237);  
box-shadow:4px 4px 4px 4px rgb(242, 123,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 58.9870, 39.1576, 84.5700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 123, 237) }
```

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

```
.background{ background-color: rgb(242,  
123, 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](#).

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