

Converting Colors

XYZ(59.9157, 43.6590, 86.9998)

Have a look what the booklet for
XYZ(59.9157, 43.6590, 86.9998)
contains.

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Color

**XYZ(59.9945, 43.7098,
86.9361)**

Conversions

Conversions Part 1

Format	Color
Hex	EC8FEF
RGB	236, 143, 239
RGB Percent	93%, 56%, 94%
CMY	0.0745, 0.4392, 0.0627
CMYK	0.01, 0.40, 0.00, 0.06
HSL	298°, 75%, 75%
HSV	298°, 40%, 94%
XYZ	59.9945, 43.7098, 86.9361
YIQ	181.7510, 24.6120, 49.5720

Conversions

Conversions Part 2

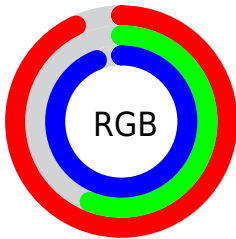
Format	Color
R _Y B	236, 143, 239
Decimal	15503343
CIE Lab	72.03, 49.45, -33.76
CIE LCh	72, 59.873, 325.677
Yxy	43.7098, 0.3147, 0.2293
Android (android.graphics.Color)	4293693423 (0xFFEC8FEF)
YUV	181.7510, 28.2238, 47.5764
Hunter-Lab	66.1134, 46.2811, -31.6843

Details

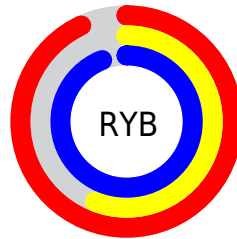
The XYZ color **59.9945, 43.7098, 86.9361** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **47.6800, 69.8282, 36.9540**, and the grayscale version is **44.1715, 46.4719, 50.6078**.

A 20% lighter version of the original color is **79.7134, 69.3268, 103.7878**, and **30.5635, 20.1962, 47.0871** is the 20% darker color. If you saturate the color by 10%, you get **56.5346, 37.1564, 85.8541**, and if you desaturate by 10%, it is **64.2226, 51.7961, 88.2747**.

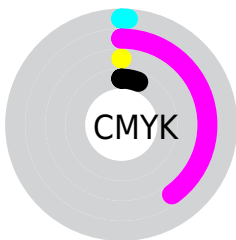
Distribution



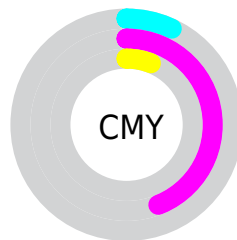
- Red (93%)
- Green (56%)
- Blue (94%)



- Red (93%)
- Yellow (56%)
- Blue (94%)



- Cyan (1%)
- Magenta (40%)
- Yellow (0%)
- Black (6%)





- Cyan (7%)
- Magenta (44%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.9945, 43.7098, 86.9361 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 59.9945, 43.7098, 86.9361 by changing the saturation by 10% instead.


 59.9945, 43.7098,
86.9361


 59.9945, 43.7098,
86.9361


414.4126,
361.5227, 538.3236

 43.6636, 30.4424,
64.8830

 103.9281, 80.7809,
144.9732

 30.6029, 20.1746,
46.9155


 132.2615,
105.3534, 181.7942

 20.4470, 12.5221,
32.6150


165.3265,
134.4631, 224.3750

 12.8306, 7.1003,
21.5630

203.4885,
168.4943, 273.1340

 7.3882, 3.5249,
13.3409

247.1127,
207.8315, 328.4898

 3.7545, 1.4115,
7.5302

296.5645,

 1.5642, 0.2252,

252.8590, 390.8610

3.7124

352.2094,
303.9613, 460.6661

■ 0.3689, 0.0000,
1.4689

■ 0.0000, 0.0000,
0.1946

■ 59.9945, 43.7098,
86.9361

■ 59.9945, 43.7098,
86.9361

■ 56.5346, 37.1564,
85.8541

■ 64.2226, 51.7961,
88.2747

■ 53.7896, 32.0320,
85.0097


■ 69.2591, 61.4988,
89.8820


■ 51.7062, 28.2295,
84.3856


■ 75.1468, 72.9022,
91.7728


■ 50.2219, 25.6237,
83.9608


■ 81.9240, 86.0832,
93.9598


 49.2624, 24.0658,
83.7107


 87.1854, 96.2310,
95.6412

 48.7076, 23.3099,
83.5940

 87.4391, 96.3618,
95.6531

 87.6938, 96.4931,
95.6650

 87.9496, 96.6249,
95.6770

 88.2064, 96.7573,
95.6890

Harmonies

Analogous

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



50.6618, 43.7098, 118.5352



59.9945, 43.7098, 86.9361



64.4016, 43.7098, 51.9651

Triad

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



59.9945, 43.7098, 86.9361



43.0448, 43.7098, 10.6260



26.2222, 43.7098, 76.4052

Complementary

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



59.9945, 43.7098, 86.9361



47.6800, 69.8282, 36.9540

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.



24.8587, 43.7098, 43.4724



59.9945, 43.7098, 86.9361



33.5930, 43.7098, 12.7405

Square

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



59.9945, 43.7098, 86.9361



53.6491, 43.7098, 14.5864



27.3281, 43.7098, 22.3756



31.4136, 43.7098, 110.9051

Rectangle

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



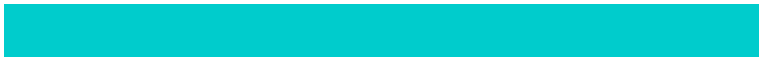
59.9945, 43.7098, 86.9361



63.5009, 43.7098, 33.9382



27.3281, 43.7098, 22.3756



25.3416, 43.7098, 64.4913

Sweetspot

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



59.9960, 43.7117, 86.9370



85.7024, 81.8257, 105.8847



37.2193, 32.6933, 86.0107



18.1455, 17.1295, 22.5999



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.



59.9960, 43.7117, 86.9370



66.2299, 44.4276, 99.6924



55.1806, 41.9016, 56.3380



16.4026, 16.0048, 19.9463



26.9387, 12.8928, 46.1966



2.2563, 1.0804, 3.8438

Inverse Universe

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



50.6088, 40.0729, 32.2635



54.0470, 39.7154, 28.2682



51.2513, 71.1959, 58.5068



15.7928, 15.7668, 16.4652



19.7029, 10.1536, 1.0861



1.6461, 0.8475, 0.1272

Previews

White Background



This preview shows how the XYZ color 59.9945, 43.7098, 86.9361 looks on a white background.

Color Contrast Check

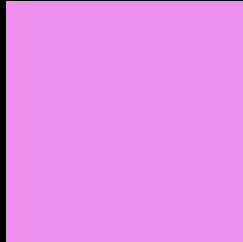
Large Text (above 18pt) WCAG AA × Fail

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 59.9945, 43.7098, 86.9361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

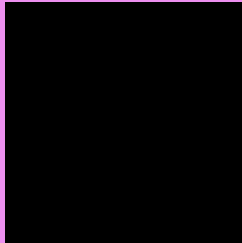
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.9945, 43.7098, 86.9361

Background



This preview shows how black text looks on a background with the XYZ color 59.9945, 43.7098, 86.9361.



This preview shows how white text looks on a background with the XYZ color 59.9945, 43.7098,

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

59.9945, 43.7098, 86.9361

Protanopia

45.9486, 44.0714, 100.6926

Deuteranopia

44.9483, 43.9418, 83.2034



Tritanopia

51.1611, 43.6869, 43.7661

Trichromacy



Original Color

59.9945, 43.7098, 86.9361



Protanomaly

49.4875, 42.9790, 95.3100



Deuteranomaly

49.3278, 43.1397, 84.3242



Tritanomaly

53.8747, 43.5456, 57.1954

Monochromacy



Original Color

59.9945, 43.7098, 86.9361



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

49.1392, 44.8736, 62.5715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.9945, 43.7098, 86.9361 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(236, 143, 239)` looks like.

```
.text, #text, p{  
    color:rgb(236, 143, 239)  
}
```

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(236, 143, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 143, 239) }
```

Border

The CSS property to change the border of an element to XYZ 59.9945, 43.7098, 86.9361 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(236, 143, 239) }
```


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

```
.border{ border-color:rgb(236, 143, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 143, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 143, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 143, 239);  
box-shadow:4px 4px 4px 4px rgb(236, 143,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 59.9945, 43.7098, 86.9361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 143, 239) }
```

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

```
.background{ background-color: rgb(236,  
143, 239) }
```

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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