

Converting Colors

XYZ(59.1168, 43.4626, 88.0617)

Have a look what the booklet for
XYZ(59.1168, 43.4626, 88.0617)
contains.

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Color

**XYZ(58.9801, 43.3936,
87.7053)**

Conversions

Conversions Part 1

Format	Color
Hex	E890F0
RGB	232, 144, 240
RGB Percent	91%, 56%, 94%
CMY	0.0902, 0.4353, 0.0588
CMYK	0.03, 0.40, 0.00, 0.06
HSL	295°, 76%, 75%
HSV	295°, 40%, 94%
XYZ	58.9801, 43.3936, 87.7053
YIQ	181.2560, 21.6320, 48.5120

Conversions

Conversions Part 2

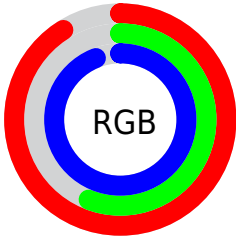
Format	Color
R _{YB}	232, 144, 240
Decimal	15241456
CIE _{Lab}	71.82, 47.93, -34.67
CIE _{LCh}	72, 59.159, 324.121
Yxy	43.3936, 0.3103, 0.2283
Android (android.graphics.Color)	4293431536 (0xFFE890F0)
YUV	181.2560, 28.9608, 44.5025
Hunter-Lab	65.8738, 44.5407, -32.8278

Details

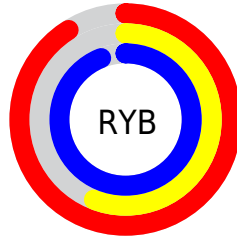
The XYZ color **58.9801, 43.3936, 87.7053** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **49.1445, 71.0103, 37.5038**, and the grayscale version is **43.9008, 46.1870, 50.2977**.

A 20% lighter version of the original color is **79.7134, 69.3268, 103.7878**, and **30.0720, 20.0568, 47.6338** is the 20% darker color. If you saturate the color by 10%, you get **55.0790, 36.5488, 86.5904**, and if you desaturate by 10%, it is **63.6641, 51.7912, 89.0800**.

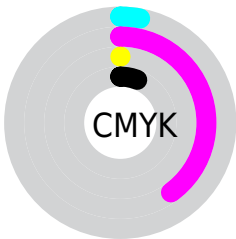
Distribution



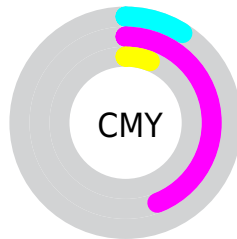
- Red (91%)
- Green (56%)
- Blue (94%)



- Red (91%)
- Yellow (56%)
- Blue (94%)



- Cyan (3%)
- Magenta (40%)
- Yellow (0%)
- Black (6%)





- Cyan (9%)
- Magenta (44%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.9801, 43.3936, 87.7053 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 58.9801, 43.3936, 87.7053 by changing the saturation by 10% instead.


 58.9801, 43.3936,
87.7053


 58.9801, 43.3936,
87.7053


410.7234,
360.2280, 540.9139

 42.8434, 30.1941,
65.5161


 102.4635, 80.3045,
146.0543

 29.9563, 19.9859,
47.4257


 130.5410,
104.7846, 183.0512

 19.9533, 12.3848,
33.0155


163.3294,
133.7937, 225.8211

 12.4692, 7.0063,
21.8671

201.1941,
167.7162, 274.7825

 7.1385, 3.4661,
13.5619

244.5006,
206.9365, 330.3539

 3.5960, 1.3796,
7.6814

293.6140,

 1.4762, 0.2016,

251.8390, 392.9539

3.8069

348.8998,
302.8080, 463.0011

■ 0.3096, 0.0000,
1.5200

■ 0.0000, 0.0000,
0.2328

■ 58.9801, 43.3936,
87.7053

■ 58.9801, 43.3936,
87.7053

■ 55.0790, 36.5488,
86.5904

■ 63.6641, 51.7912,
89.0800

■ 51.9071, 31.1522,
85.7159

■ 69.1717, 61.8261,
90.7266

■ 49.4106, 27.0957,
85.0645

■ 75.5459, 73.5833,
92.6600

■ 47.5265, 24.2532,
84.6151

■ 82.8256, 87.1403,
94.8931

46.1798, 22.4747,
84.3428

88.1067, 96.6888,
96.4578

45.2441, 21.5074,
84.2054

88.7969, 97.0446,
96.4901

45.2440, 21.5072,
84.2054

89.4947, 97.4043,
96.5228

90.2000, 97.7680,
96.5558

90.9130, 98.1355,
96.5891

Harmonies

Analogous

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



49.6621, 43.3936, 117.9596



58.9801, 43.3936, 87.7053



63.6251, 43.3936, 53.1513

Triad

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



58.9801, 43.3936, 87.7053



43.2570, 43.3936, 10.7958



25.9931, 43.3936, 73.6857

Complementary

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



58.9801, 43.3936, 87.7053



49.1445, 71.0103, 37.5038

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.



24.8442, 43.3936, 41.7993



58.9801, 43.3936, 87.7053



33.8359, 43.3936, 12.5848

Square

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



58.9801, 43.3936, 87.7053



53.6473, 43.3936, 15.0823



27.4765, 43.3936, 21.6558



30.9175, 43.3936, 107.8244

Rectangle

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



58.9801, 43.3936, 87.7053



62.9831, 43.3936, 34.9844



27.4765, 43.3936, 21.6558



25.1900, 43.3936, 62.0877

Sweetspot

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



58.9816, 43.3955, 87.7062



85.1214, 81.5262, 105.8575



38.4599, 34.6792, 87.1054



18.0077, 17.0584, 22.5934



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.



58.9816, 43.3955, 87.7062



63.9694, 43.2623, 99.5866



56.3352, 42.6438, 59.9071



16.3168, 15.9605, 19.9423



24.8224, 11.8018, 46.0976



2.1030, 1.0014, 3.8367

Inverse Universe

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



51.5774, 40.7407, 34.8531



54.5156, 39.9028, 30.7358



51.3149, 71.7113, 56.4864



15.8263, 15.7802, 16.6413



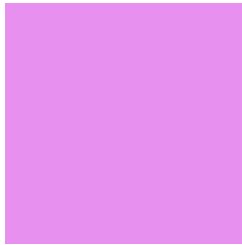
19.7598, 10.1764, 1.3860



1.6621, 0.8539, 0.2115

Previews

White Background



This preview shows how the XYZ color 58.9801, 43.3936, 87.7053 looks on a white background.

Color Contrast Check

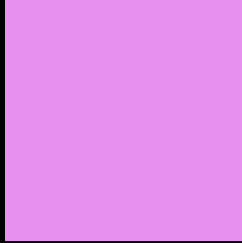
Large Text (above 18pt) WCAG AA × Fail

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 58.9801, 43.3936, 87.7053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

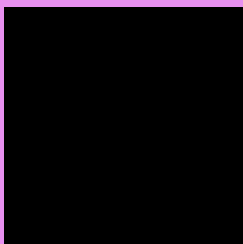
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.9801, 43.3936, 87.7053

Background



This preview shows how black text looks on a background with the XYZ color 58.9801, 43.3936, 87.7053.



This preview shows how white text looks on a background with the XYZ color 58.9801, 43.3936,

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

58.9801, 43.3936, 87.7053

Protanopia

45.7637, 43.9761, 100.6840

Deuteranopia

44.6853, 43.7897, 83.9390



Tritanopia

50.1802, 43.4245, 44.2651

Trichromacy



Original Color

58.9801, 43.3936, 87.7053



Protanomaly

49.1749, 42.7998, 96.1119



Deuteranomaly

48.7310, 42.8153, 85.0527



Tritanomaly

52.8834, 43.2655, 57.7884

Monochromacy



Original Color

58.9801, 43.3936, 87.7053



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

48.4827, 44.5489, 61.9206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.9801, 43.3936, 87.7053 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(232, 144, 240)` looks like.

```
.text, #text, p{  
    color:rgb(232, 144, 240)  
}
```

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(232, 144, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 144, 240) }
```

Border

The CSS property to change the border of an element to XYZ 58.9801, 43.3936, 87.7053 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(232, 144, 240) }
```


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

```
.border{ border-color:rgb(232, 144, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 144, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 144, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 144, 240);  
box-shadow:4px 4px 4px 4px rgb(232, 144,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 58.9801, 43.3936, 87.7053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 144, 240) }
```

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

```
.background{ background-color: rgb(232,  
144, 240) }
```

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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