

Converting Colors

XYZ(69.3711, 43.7795,
148.5473)

Have a look what the booklet for
XYZ(69.3711, 43.7795, 148.5473)
contains.

XYZ(59.9003, 40.0609, 99.1832)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(59.9003, 40.0609,
99.1832)**

Conversions

Conversions Part 1

Format	Color
Hex	EB7FFF
RGB	235, 127, 255
RGB Percent	92%, 50%, 100%
CMY	0.0784, 0.5019, 0.0000
CMYK	0.08, 0.50, 0.00, 0.00
HSL	291°, 100%, 75%
HSV	291°, 50%, 100%
XYZ	59.9003, 40.0609, 99.1832
YIQ	173.8840, 23.2800, 62.7040

Conversions

Conversions Part 2

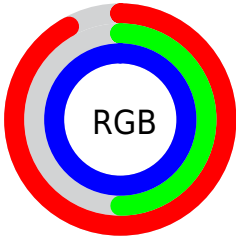
Format	Color
R _Y B	235, 127, 255
Decimal	15433727
CIE Lab	69.51, 60.09, -46.44
CIE LCh	70, 75.944, 322.302
Yxy	40.0609, 0.3008, 0.2012
Android (android.graphics.Color)	4293623807 (0xFFEB7FFF)
YUV	173.8840, 39.9902, 53.5987
Hunter-Lab	63.2937, 58.1661, -48.6037

Details

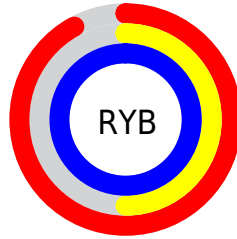
The XYZ color **59.9003, 40.0609, 99.1832** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **51.6243, 79.2558, 32.6574**, and the grayscale version is **39.9669, 42.0483, 45.7906**.

A 20% lighter version of the original color is **76.2235, 62.3470, 102.6245**, and **30.6419, 18.0591, 55.2968** is the 20% darker color. If you saturate the color by 10%, you get **55.7136, 33.6177, 98.1602**, and if you desaturate by 10%, it is **64.9523, 48.1891, 100.4858**.

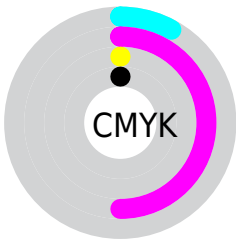
Distribution



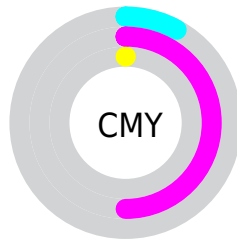
- Red (92%)
- Green (50%)
- Blue (100%)



- Red (92%)
- Yellow (50%)
- Blue (100%)



- Cyan (8%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)





- Cyan (8%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.9003, 40.0609, 99.1832 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 59.9003, 40.0609, 99.1832 by changing the saturation by 10% instead.


 59.9003, 40.0609,
99.1832


 59.9003, 40.0609,
99.1832


414.0708,
346.3802, 578.7950


 43.5874, 27.5860,
75.0055


 103.7922, 75.2562,
162.0763

 30.5428, 18.0138,
55.1156

 132.1019, 98.7455,
201.6288

 20.4011, 10.9599,
39.0951


 165.1413,
126.6750, 247.1434

 12.7969, 6.0399,
26.5253

203.2758,
159.4292, 299.0384

 7.3649, 2.8694,
16.9878

246.8706,
197.3924, 357.7326

 3.7397, 1.0639,
10.0639

296.2911,

 1.5559, 0.0000,

240.9490, 423.6444

5.3352

351.9027,
290.4835, 497.1924

■ 0.3634, 0.0000,
2.3831

■ 0.0000, 0.0000,
0.7772

■ 59.9003, 40.0609,
99.1832

■ 59.9003, 40.0609,
99.1832

■ 55.7136, 33.6177,
98.1602

■ 64.9523, 48.1891,
100.4858

■ 52.3240, 28.7260,
97.3946

■ 70.9233, 58.1122,
102.0865

■ 49.6590, 25.2405,
96.8623

■ 77.8671, 69.9367,
104.0028

■ 47.6308, 22.9857,
96.5340

■ 85.8323, 83.7593,
106.2511

■ 46.1209, 21.6911,
96.3637

94.8639, 99.6700,
108.8461

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



47.7249, 40.0609, 140.4230



59.9003, 40.0609, 99.1832



66.4868, 40.0609, 53.2855

Triad

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



59.9003, 40.0609, 99.1832



41.3171, 40.0609, 5.1175



20.1886, 40.0609, 74.5250

Complementary

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



59.9003, 40.0609, 99.1832



51.6243, 79.2558, 32.6574

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.



19.1911, 40.0609, 35.1994



59.9003, 40.0609, 99.1832



29.8252, 40.0609, 6.2556

Square

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



59.9003, 40.0609, 99.1832



54.3582, 40.0609, 9.0697



22.3251, 40.0609, 14.0214



25.4217, 40.0609, 121.6437

Rectangle

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



59.9003, 40.0609, 99.1832



66.0118, 40.0609, 30.7763



22.3251, 40.0609, 14.0214



19.3998, 40.0609, 59.6152

Sweetspot

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



59.9016, 40.0626, 99.1834



81.8739, 76.8610, 105.1282



37.4461, 33.0183, 99.0073



17.1691, 15.8358, 22.4017



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.



59.9016, 40.0626, 99.1834



55.7871, 33.7275, 98.1775



60.7560, 41.2105, 67.2614



18.4975, 18.1482, 22.7780



24.2039, 11.3881, 50.3570



2.4284, 1.1458, 4.9064

Inverse Universe

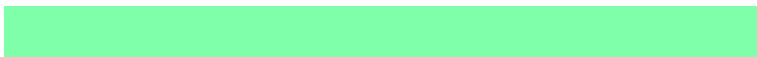
The Inverse Universe completely reimagines the original color for something new.



54.0967, 38.5468, 32.1941



49.7511, 32.2666, 23.3124



51.7377, 78.9222, 50.3734



18.1251, 18.0333, 19.2757



21.7816, 11.2019, 2.2345



2.1527, 1.1035, 0.3855

Previews

White Background



This preview shows how the XYZ color 59.9003, 40.0609, 99.1832 looks on a white background.

Color Contrast Check

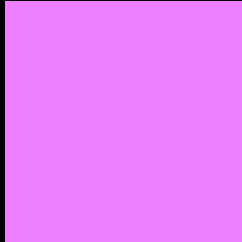
Large Text (above 18pt) WCAG AA × Fail

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 59.9003, 40.0609, 99.1832 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 59.9003, 40.0609, 99.1832

Background



This preview shows how black text looks on a background with the XYZ color 59.9003, 40.0609, 99.1832.



This preview shows how white text looks on a background with the XYZ color 59.9003, 40.0609,

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

59.9003, 40.0609, 99.1832

Protanopia

42.3499, 40.2607, 100.1468

Deuteranopia

41.4577, 40.4946, 93.6269



Tritanopia

47.4636, 39.9155, 38.9211

Trichromacy



Original Color

59.9003, 40.0609, 99.1832



Protanomaly

46.5118, 38.5607, 99.5993



Deuteranomaly

46.0445, 38.8976, 95.5237

Tritanomaly

51.2019, 39.6170, 56.5780

Monochromacy



Original Color

59.9003, 40.0609, 99.1832



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

45.6014, 40.1615, 61.8484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.9003, 40.0609, 99.1832 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(235, 127, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 127, 255)  
}
```

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(235, 127, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 127, 255) }
```

Border

The CSS property to change the border of an element to XYZ 59.9003, 40.0609, 99.1832 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(235, 127, 255) }
```


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

```
.border{ border-color:rgb(235, 127, 255) }
```

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

Here you see how a box with a 4 pixel rgb(235, 127, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 127, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 127, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 127,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 59.9003, 40.0609, 99.1832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 127, 255) }
```

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

```
.background{ background-color: rgb(235,  
127, 255) }
```

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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