

Converting Colors

XYZ(59.9032, 39.1394, 99.0051)

Have a look what the booklet for
XYZ(59.9032, 39.1394, 99.0051)
contains.

XYZ(59.9346, 39.1436, 99.0043)	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(59.9346, 39.1436,
99.0043)**

Conversions

Conversions Part 1

Format	Color
Hex	ED7AFF
RGB	237, 122, 255
RGB Percent	93%, 48%, 100%
CMY	0.0706, 0.5215, 0.0000
CMYK	0.07, 0.52, 0.00, 0.00
HSL	292°, 100%, 74%
HSV	292°, 52%, 100%
XYZ	59.9346, 39.1436, 99.0043
YIQ	171.5470, 25.8470, 65.7430

Conversions

Conversions Part 2

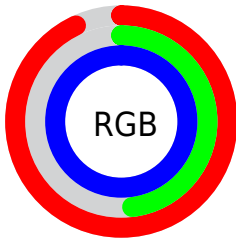
Format	Color
R _Y B	237, 122, 255
Decimal	15563519
CIE Lab	68.86, 63.01, -47.46
CIE LCh	69, 78.880, 323.013
Yxy	39.1436, 0.3026, 0.1976
Android (android.graphics.Color)	4293753599 (0xFFED7AFF)
YUV	171.5470, 41.1423, 57.4023
Hunter-Lab	62.5648, 61.5073, -50.0267

Details

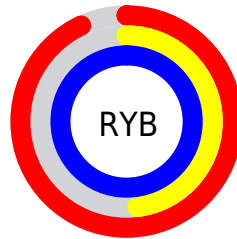
The XYZ color **59.9346, 39.1436, 99.0043** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **50.0890, 78.5010, 30.9263**, and the grayscale version is **38.7754, 40.7947, 44.4254**.

A 20% lighter version of the original color is **75.2104, 60.3208, 102.2868**, and **30.5014, 17.4386, 55.1845** is the 20% darker color. If you saturate the color by 10%, you get **56.0636, 33.0948, 98.0408**, and if you desaturate by 10%, it is **64.6516, 46.8496, 100.2431**.

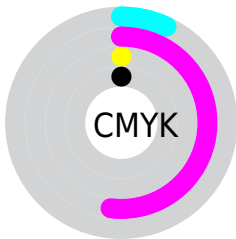
Distribution



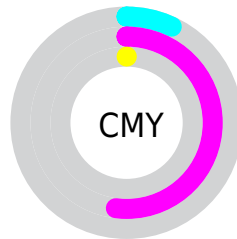
- Red (93%)
- Green (48%)
- Blue (100%)



- Red (93%)
- Yellow (48%)
- Blue (100%)



- Cyan (7%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)





- Cyan (7%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.9346, 39.1436, 99.0043 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 59.9346, 39.1436, 99.0043 by changing the saturation by 10% instead.

 59.9346, 39.1436,
99.0043

 59.9346, 39.1436,
99.0043

414.1953,
342.5006, 578.2150


 43.6152, 26.8715,
74.8570


 103.8417, 73.8576,
161.8281

 30.5647, 17.4767,
54.9947


 132.1600, 97.0683,
201.3417

 20.4178, 10.5750,
38.9989


 165.2088,
124.6940, 246.8145

 12.8091, 5.7818,
26.4511

203.3532,
157.1190, 298.6650

 7.3733, 2.7129,
16.9326

246.9587,
194.7278, 357.3118

 3.7451, 0.9837,
10.0250

296.3907,

 1.5589, 0.0000,

237.9047, 423.1733

5.3097

352.0144,
287.0342, 496.6682

■ 0.3654, 0.0000,
2.3682

■ 0.0000, 0.0000,
0.7691

■ 59.9346, 39.1436,
99.0043

■ 59.9346, 39.1436,
99.0043

■ 56.0636, 33.0948,
98.0408

■ 64.6516, 46.8496,
100.2431

■ 52.9689, 28.5667,
97.3299

■ 70.2694, 56.3251,
101.7760

■ 50.5759, 25.4095,
96.8466

■ 76.8428, 67.6783,
103.6209

■ 48.7929, 23.4400,
96.5604

■ 84.4207, 81.0073,
105.7943

47.7141, 22.5124,
96.4383

93.0490, 96.4034,
108.3113

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.



47.4309, 39.1436, 142.7687



59.9346, 39.1436, 99.0043



66.5766, 39.1436, 51.5686

Triad

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



59.9346, 39.1436, 99.0043



40.2104, 39.1436, 4.2810



19.1562, 39.1436, 75.6511

Complementary

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



59.9346, 39.1436, 99.0043



50.0890, 78.5010, 30.9263

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.



18.0619, 39.1436, 34.7729



59.9346, 39.1436, 99.0043



28.5655, 39.1436, 5.4484

Square

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



59.9346, 39.1436, 99.0043



53.6471, 39.1436, 7.8655



21.0995, 39.1436, 13.1443



24.5206, 39.1436, 124.8057

Rectangle

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



59.9346, 39.1436, 99.0043



65.9310, 39.1436, 28.9060



21.0995, 39.1436, 13.1443



18.3347, 39.1436, 60.1045

Sweetspot

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



59.9359, 39.1453, 99.0046



81.3850, 75.6422, 104.9187



35.7430, 30.6904, 98.6477



17.0853, 15.6023, 22.3610



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.



59.9359, 39.1453, 99.0046



55.7730, 32.6551, 97.9713



59.6410, 39.7567, 64.4968



18.5367, 18.1684, 22.7798



25.0253, 11.8115, 50.3955



2.5006, 1.1830, 4.9098

Inverse Universe

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



52.9341, 37.0739, 29.1783



48.4316, 30.5909, 19.9026



50.9064, 78.5058, 49.7868



18.1094, 18.0271, 19.1935



21.7339, 11.1829, 1.9834



2.1454, 1.1005, 0.3471

Previews

White Background



This preview shows how the XYZ color 59.9346, 39.1436, 99.0043 looks on a white background.

Color Contrast Check

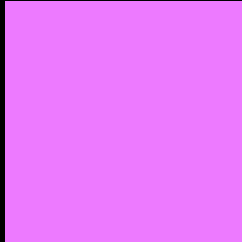
Large Text (above 18pt) WCAG AA × Fail

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 59.9346, 39.1436, 99.0043 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

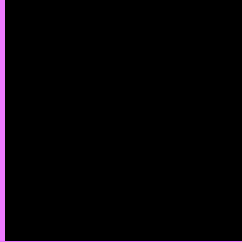
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.9346, 39.1436, 99.0043

Background



This preview shows how black text looks on a background with the XYZ color 59.9346, 39.1436, 99.0043.



This preview shows how white text looks on a background with the XYZ color 59.9346, 39.1436,

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

59.9346, 39.1436, 99.0043

Protanopia

41.6779, 39.6433, 100.0630

Deuteranopia

40.5989, 39.5037, 93.4809



Tritanopia

47.1052, 38.8394, 36.9123

Trichromacy



Original Color

59.9346, 39.1436, 99.0043



Protanomaly

45.9696, 37.8033, 99.4817



Deuteranomaly

45.3352, 37.8060, 95.3503

Tritanomaly

50.8844, 38.3996, 55.1820

Monochromacy



Original Color

59.9346, 39.1436, 99.0043



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

44.9812, 39.1112, 61.0556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.9346, 39.1436, 99.0043 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(237, 122, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 122, 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(237, 122, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 122, 255) }
```

Border

The CSS property to change the border of an element to XYZ 59.9346, 39.1436, 99.0043 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(237, 122, 255) }
```


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

```
.border{ border-color:rgb(237, 122, 255) }
```

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

Here you see how a box with a 4 pixel rgb(237, 122, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 122, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 122, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 122,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 59.9346, 39.1436, 99.0043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 122, 255) }
```

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

```
.background{ background-color: rgb(237,  
122, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor