

Converting Colors

XYZ(59.7042, 41.5907, 99.4887)

Have a look what the booklet for
XYZ(59.7042, 41.5907, 99.4887)
contains.

XYZ(59.6690, 41.5369, 99.4803)	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(59.6690, 41.5369,
99.4803)**

Conversions

Conversions Part 1

Format	Color
Hex	E787FF
RGB	231, 135, 255
RGB Percent	91%, 53%, 100%
CMY	0.0941, 0.4706, 0.0000
CMYK	0.09, 0.47, 0.00, 0.00
HSL	288°, 100%, 76%
HSV	288°, 47%, 100%
XYZ	59.6690, 41.5369, 99.4803
YIQ	177.3840, 18.6960, 57.6720

Conversions

Conversions Part 2

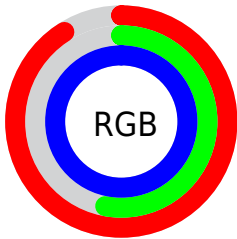
Format	Color
RYB	231, 135, 255
Decimal	15173631
CIELab	70.55, 55.07, -44.84
CIElCh	71, 71.015, 320.842
Yxy	41.5369, 0.2973, 0.2070
Android (android.graphics.Color)	4293363711 (0xFFE787FF)
YUV	177.3840, 38.2647, 47.0212
Hunter-Lab	64.4491, 52.4749, -46.4026

Details

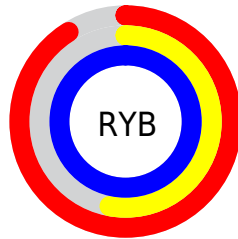
The XYZ color **59.6690, 41.5369, 99.4803** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **54.4322, 80.6406, 35.6198**, and the grayscale version is **41.7913, 43.9677, 47.8808**.

A 20% lighter version of the original color is **77.9208, 65.7416, 103.1903**, and **30.3691, 18.8463, 55.4632** is the 20% darker color. If you saturate the color by 10%, you get **54.9061, 34.4183, 98.3573**, and if you desaturate by 10%, it is **65.3344, 50.3874, 100.8900**.

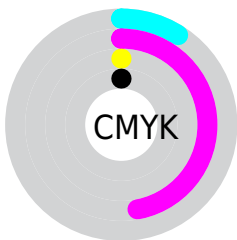
Distribution



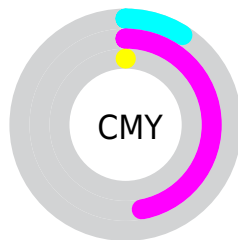
- Red (91%)
- Green (53%)
- Blue (100%)



- Red (91%)
- Yellow (53%)
- Blue (100%)



- Cyan (9%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.6690, 41.5369, 99.4803 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 59.6690, 41.5369, 99.4803 by changing the saturation by 10% instead.


 59.6690, 41.5369,
99.4803


 59.6690, 41.5369,
99.4803


413.2310,
352.5596, 579.7576

 43.4003, 28.7388,
75.2521

 103.4584, 77.4983,
162.4885

 30.3952, 18.8834,
55.3165

 131.7099,
101.4304, 202.1055

 20.2883, 11.5860,
39.2549

 164.6864,
129.8426, 247.6893

 12.7143, 6.4625,
26.6487

202.7532,
163.1193, 299.6583

 7.3077, 3.1283,
17.0795

246.2757,
201.6450, 358.4311

 3.7033, 1.1991,
10.1286

295.6193,

 1.5357, 0.0609,

245.8040, 424.4262

5.3776

351.1492,
295.9808, 498.0622

■ 0.3499, 0.0000,
2.4079

■ 0.0000, 0.0000,
0.7907

■ 59.6690, 41.5369,
99.4803

■ 59.6690, 41.5369,
99.4803

■ 54.9061, 34.4183,
98.3573

■ 65.3344, 50.3874,
100.8900

■ 50.9794, 28.9026,
97.4996

■ 71.9545, 61.0762,
102.6042

■ 47.8198, 24.8510,
96.8841

■ 79.5818, 73.7072,
104.6402

■ 45.3444, 22.0983,
96.4832

■ 88.2640, 88.3751,
107.0138

■ 43.4474, 20.4338, 95.0500, 100.0000,
96.2619 108.9000

■ 42.9525, 20.0577,
96.2154

Harmonies

Analogous

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



48.0566, 41.5369, 136.3885



59.6690, 41.5369, 99.4803



66.1830, 41.5369, 56.3019

Triad

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



59.6690, 41.5369, 99.4803



43.1779, 41.5369, 6.7398



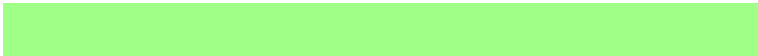
21.9353, 41.5369, 72.3086

Complementary

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



59.6690, 41.5369, 99.4803



54.4322, 80.6406, 35.6198

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.



21.1422, 41.5369, 35.7082



59.6690, 41.5369, 99.4803



31.9891, 41.5369, 7.7419

Square

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



59.6690, 41.5369, 99.4803



55.4964, 41.5369, 11.3622



24.4510, 41.5369, 15.4787



26.8855, 41.5369, 116.0417

Rectangle

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



59.6690, 41.5369, 99.4803



66.0208, 41.5369, 34.1362



24.4510, 41.5369, 15.4787



21.2182, 41.5369, 58.4913

Sweetspot

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



59.6704, 41.5386, 99.4805



82.1218, 77.9707, 105.3293



40.4413, 37.1690, 99.6506



17.1915, 16.0406, 22.4400



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.



59.6704, 41.5386, 99.4805



55.3689, 35.0927, 98.4631



62.6910, 43.7039, 72.1504



18.4159, 18.1061, 22.7742



22.5687, 10.5451, 50.2805



2.2836, 1.0711, 4.8997

Inverse Universe

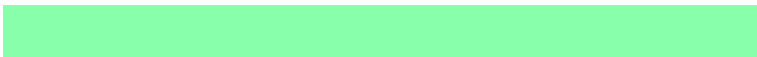
The Inverse Universe completely reimagines the original color for something new.



56.1629, 41.0926, 37.7737



51.8460, 34.8084, 29.0914



53.1035, 79.6117, 51.0976



18.1579, 18.0465, 19.4485



21.9027, 11.2504, 2.8719



2.1692, 1.1100, 0.4723

Previews

White Background



This preview shows how the XYZ color 59.6690, 41.5369, 99.4803 looks on a white background.

Color Contrast Check

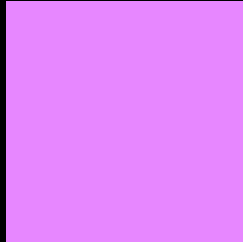
Large Text (above 18pt) WCAG AA × Fail

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 59.6690, 41.5369, 99.4803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

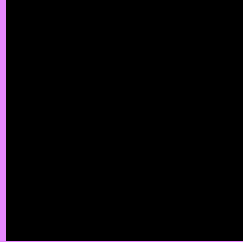
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.6690, 41.5369, 99.4803

Background



This preview shows how black text looks on a background with the XYZ color 59.6690, 41.5369, 99.4803.



This preview shows how white text looks on a background with the XYZ color 59.6690, 41.5369,

99.4803.

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

59.6690, 41.5369, 99.4803

Protanopia

43.7524, 41.8091, 100.3717

Deuteranopia

43.0078, 41.8324, 94.6146



Tritanopia

47.9098, 41.2928, 42.0044

Trichromacy



Original Color

59.6690, 41.5369, 99.4803



Protanomaly

47.7862, 40.4479, 99.8964



Deuteranomaly

47.5439, 40.6489, 96.6070

Tritanomaly

51.3301, 40.9913, 59.2396

Monochromacy



Original Color

59.6690, 41.5369, 99.4803



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

46.9657, 42.1188, 63.4120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.6690, 41.5369, 99.4803 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(231, 135, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 135, 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(231, 135, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 135, 255) }
```

Border

The CSS property to change the border of an element to XYZ 59.6690, 41.5369, 99.4803 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(231, 135, 255) }
```


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

```
.border{ border-color:rgb(231, 135, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 135, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 135, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 135, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 135,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 59.6690, 41.5369, 99.4803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 135, 255) }
```

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

```
.background{ background-color: rgb(231,  
135, 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