

Converting Colors

XYZ(46.9802, 37.9644, 94.4743)

Have a look what the booklet for
XYZ(46.9802, 37.9644, 94.4743)
contains.

XYZ(46.9802, 37.9644, 94.4743)	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(46.9802, 37.9644,
94.4743)**

Conversions

Conversions Part 1

Format	Color
Hex	B694F9
RGB	182, 148, 249
RGB Percent	71%, 58%, 98%
CMY	0.2863, 0.4196, 0.0235
CMYK	0.27, 0.41, 0.00, 0.02
HSL	260°, 89%, 78%
HSV	260°, 41%, 98%
XYZ	46.9802, 37.9644, 94.4743
YIQ	169.6800, -12.1570, 38.6190

Conversions

Conversions Part 2

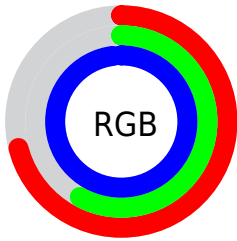
Format	Color
R _Y B	182, 148, 249
Decimal	11965689
CIE Lab	67.99, 33.29, -45.94
CIE LCh	68, 56.732, 305.927
Yxy	37.9644, 0.2618, 0.2116
Android (android.graphics.Color)	4290155769 (0xFFB694F9)
YUV	169.6800, 39.1048, 10.8046
Hunter-Lab	61.6153, 28.2754, -47.7783

Details

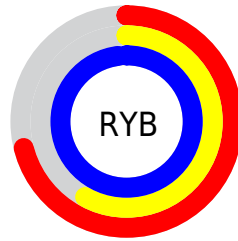
The XYZ color **46.9802, 37.9644, 94.4743** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **67.2460, 84.3373, 40.7527**, and the grayscale version is **37.8665, 39.8385, 43.3841**.

A 20% lighter version of the original color is **75.1057, 67.9863, 103.7719**, and **22.5415, 16.8672, 51.9368** is the 20% darker color. If you saturate the color by 10%, you get **39.8130, 29.0826, 93.1384**, and if you desaturate by 10%, it is **55.4503, 48.7663, 96.1135**.

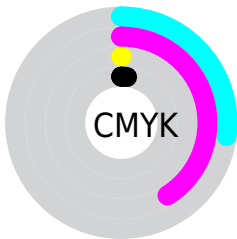
Distribution



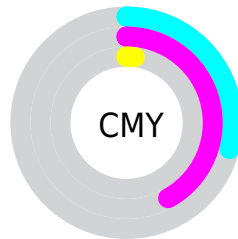
- Red (71%)
- Green (58%)
- Blue (98%)



- Red (71%)
- Yellow (58%)
- Blue (98%)



- Cyan (27%)
- Magenta (41%)
- Yellow (0%)
- Black (2%)





- Cyan (29%)
- Magenta (42%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9802, 37.9644, 94.4743 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 46.9802, 37.9644, 94.4743 by changing the saturation by 10% instead.


 46.9802, 37.9644,
94.4743


 46.9802, 37.9644,
94.4743


365.3857,
337.4672, 563.4219

 33.2279, 25.9551,
71.1030


 84.9030, 72.0536,
155.5275

 22.4611, 16.7900,
51.9439


 109.8042, 94.9022,
194.0464

 14.3146, 10.0849,
36.5785


139.1524,
122.1327, 238.4517

 8.4230, 5.4553,
24.5881

173.3129,
154.1295, 289.1619

 4.4208, 2.5168,
15.5542

212.6511,
191.2769, 346.5954

 1.9429, 0.8850,
9.0583

257.5325,

 0.6016, 0.0000,

233.9594, 411.1709

4.6819

308.3222,
282.5614, 483.3069

■ 0.0000, 0.0000,
2.0064

■ 0.0000, 0.0000,
0.5592

■ 46.9802, 37.9644,
94.4743

■ 46.9802, 37.9644,
94.4743

■ 39.8130, 29.0826,
93.1384

■ 55.4503, 48.7663,
96.1135

■ 33.8743, 21.9996,
92.0842

■ 65.2838, 61.5908,
98.0706

■ 29.0878, 16.5865,
91.2917

■ 76.5423, 76.5382,
100.3624

■ 25.3660, 12.6950,
90.7367

■ 89.2822, 93.7008,
103.0036

■ 22.6066, 10.1486,
90.3906

■ 94.0990, 99.6196,
103.8922

■ 20.7395, 8.7163,
90.2126

Harmonies

Analogous

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



37.8641, 37.9644, 110.9313



46.9802, 37.9644, 94.4743



53.8930, 37.9644, 64.4880

Triad

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



46.9802, 37.9644, 94.4743



43.4549, 37.9644, 10.9548



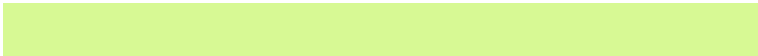
21.7049, 37.9644, 46.5588

Complementary

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



46.9802, 37.9644, 94.4743



67.2460, 84.3373, 40.7527

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.



22.7066, 37.9644, 24.5185



46.9802, 37.9644, 94.4743



34.3606, 37.9644, 9.3988

Square

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



46.9802, 37.9644, 94.4743



51.6367, 37.9644, 18.8821



27.0181, 37.9644, 13.1575



24.0173, 37.9644, 76.8955

Rectangle

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



46.9802, 37.9644, 94.4743



55.7865, 37.9644, 44.8843



27.0181, 37.9644, 13.1575



21.6708, 37.9644, 37.9813

Sweetspot

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



46.9816, 37.9659, 94.4752



78.9757, 78.3579, 105.5699



53.6981, 61.9074, 98.7424



16.5589, 16.3115, 22.5256



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.



46.9816, 37.9659, 94.4752



43.0775, 31.9821, 98.5105



61.0227, 45.2043, 95.1323



16.8337, 16.9269, 21.7653



11.2363, 4.7352, 48.2953



1.1486, 0.4942, 4.4780

Inverse Universe

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



61.9234, 46.2270, 69.9494



61.2315, 42.0394, 67.7957



54.7045, 77.8719, 40.1658



17.7301, 17.4194, 20.4346



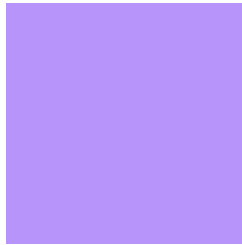
24.6248, 12.2656, 20.5305



2.3301, 1.1558, 2.1615

Previews

White Background



This preview shows how the XYZ color 46.9802, 37.9644, 94.4743 looks on a white background.

Color Contrast Check

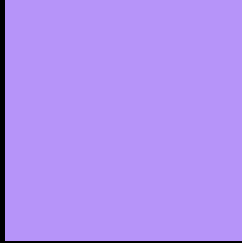
Large Text (above 18pt) WCAG AA × Fail

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 46.9802, 37.9644, 94.4743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

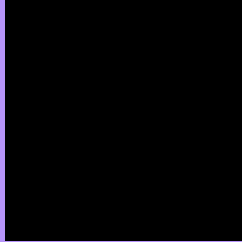
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.9802, 37.9644, 94.4743

Background



This preview shows how black text looks on a background with the XYZ color 46.9802, 37.9644, 94.4743.



This preview shows how white text looks on a background with the XYZ color 46.9802, 37.9644,

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

46.9802, 37.9644, 94.4743

Protanopia

40.6629, 38.3199, 99.8611

Deuteranopia

39.4498, 38.3894, 92.5194



Tritanopia

37.3597, 38.0501, 46.9703

Trichromacy



Original Color

46.9802, 37.9644, 94.4743

Protanomaly

42.5342, 38.0296, 98.0272

Deuteranomaly

41.7643, 37.9957, 93.1284

Tritanomaly

40.2399, 37.6498, 61.6462

Monochromacy



Original Color

46.9802, 37.9644, 94.4743

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

40.6847, 38.9629, 59.4091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9802, 37.9644, 94.4743 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(182, 148, 249)` looks like.

```
.text, #text, p{  
    color:rgb(182, 148, 249)  
}
```

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(182, 148, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 148, 249) }
```

Border

The CSS property to change the border of an element to XYZ 46.9802, 37.9644, 94.4743 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(182, 148, 249) }
```


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

```
.border{ border-color:rgb(182, 148, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 148, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 148, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 148, 249);  
box-shadow:4px 4px 4px 4px rgb(182, 148,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9802, 37.9644, 94.4743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 148, 249) }
```

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

```
.background{ background-color: rgb(182,  
148, 249) }
```

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