

Converting Colors

XYZ(58.3299, 44.3482,
182.7775)

Have a look what the booklet for
XYZ(58.3299, 44.3482, 182.7775)
contains.

XYZ(42.4896, 37.9696, 99.6972)	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(42.4896, 37.9696,
99.6972)**

Conversions

Conversions Part 1

Format	Color
Hex	949EFF
RGB	148, 158, 255
RGB Percent	58%, 62%, 100%
CMY	0.4196, 0.3804, 0.0000
CMYK	0.42, 0.38, 0.00, 0.00
HSL	234°, 100%, 79%
HSV	234°, 42%, 100%
XYZ	42.4896, 37.9696, 99.6972
YIQ	166.0680, -37.0970, 28.0470

Conversions

Conversions Part 2

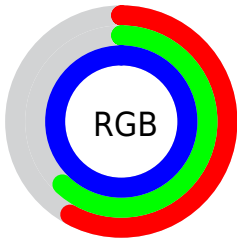
Format	Color
R_{YB}	148, 157, 255
Decimal	9740031
CIE _{Lab}	68.00, 20.25, -49.39
CIE _{LCh}	68, 53.376, 292.297
Yxy	37.9696, 0.2358, 0.2108
Android (android.graphics.Color)	4287930111 (0xFF949EFF)
YUV	166.0680, 43.8435, -15.8456
Hunter-Lab	61.6195, 15.2503, -52.7946

Details

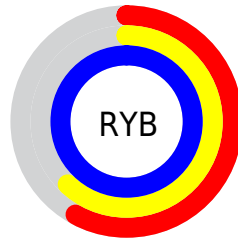
The XYZ color **42.4896, 37.9696, 99.6972** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **79.2388, 88.7044, 40.9643**, and the grayscale version is **36.0872, 37.9665, 41.3455**.

A 20% lighter version of the original color is **67.0471, 67.4288, 104.0890**, and **19.7651, 16.8168, 55.6303** is the 20% darker color. If you saturate the color by 10%, you get **34.7957, 28.6905, 98.3116**, and if you desaturate by 10%, it is **51.9436, 49.2584, 101.3778**.

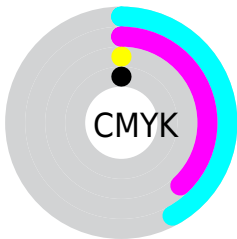
Distribution



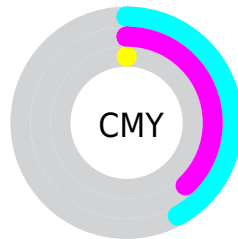
- Red (58%)
- Green (62%)
- Blue (100%)



- Red (58%)
- Yellow (62%)
- Blue (100%)



- Cyan (42%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (42%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4896, 37.9696, 99.6972 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 42.4896, 37.9696, 99.6972 by changing the saturation by 10% instead.

■ 42.4896, 37.9696,
99.6972

■ 42.4896, 37.9696,
99.6972

347.4657,
337.4895, 580.4598

■ 29.6776, 25.9591,
75.4322

■ 78.2006, 72.0615,
162.7892

■ 19.7409, 16.7930,
55.4632

■ 101.8304, 94.9118,
202.4534

■ 12.3140, 10.0870,
39.3716

129.7967,
122.1440, 248.0877

■ 7.0316, 5.4567,
26.7389

162.4651,
154.1427, 300.1106

■ 3.5284, 2.5176,
17.1465

200.2009,
191.2922, 358.9407

■ 1.4390, 0.8855,
10.1759

243.3693,

■ 0.2837, 0.0000,

233.9769, 424.9966

5.4086

292.3358,
282.5812, 498.6968

■ 0.0000, 0.0000,
2.4261

■ 0.0000, 0.0000,
0.8006

■ 42.4896, 37.9696,
99.6972

■ 42.4896, 37.9696,
99.6972

■ 34.7957, 28.6905,
98.3116

■ 51.9436, 49.2584,
101.3778

■ 28.7489, 21.2989,
97.2036

■ 63.2537, 62.6612,
103.3687

■ 24.2291, 15.6655,
96.3545

■ 76.5132, 78.2802,
105.6847

■ 21.0980, 11.6431,
95.7431

■ 91.8083, 96.2095,
108.3392

■ 19.1917, 9.0597,
95.3449

95.0500, 100.0000,
108.9000

■ 18.3731, 7.8662,
95.1577

Harmonies

Analogous

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



33.9915, 37.9696, 105.1996



42.4896, 37.9696, 99.6972



50.2473, 37.9696, 76.0728

Triad

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



42.4896, 37.9696, 99.6972



46.7568, 37.9696, 14.6973



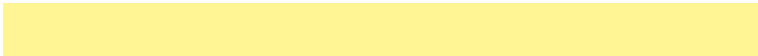
22.4702, 37.9696, 35.5128

Complementary

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



42.4896, 37.9696, 99.6972



79.2388, 88.7044, 40.9643

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.



24.8765, 37.9696, 19.2145



42.4896, 37.9696, 99.6972



38.2710, 37.9696, 10.5741

Square

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



42.4896, 37.9696, 99.6972



52.9625, 37.9696, 26.3116



30.3657, 37.9696, 11.8318



23.2441, 37.9696, 61.2234

Rectangle

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



42.4896, 37.9696, 99.6972



53.5295, 37.9696, 56.8588



30.3657, 37.9696, 11.8318



22.9193, 37.9696, 28.9418

Sweetspot

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



42.4909, 37.9709, 99.6973



75.0393, 76.5480, 105.4280



64.3484, 84.3663, 98.7201



15.4082, 15.6160, 22.4520



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.



42.4909, 37.9709, 99.6973



36.1697, 30.3558, 98.5606



50.0770, 39.4521, 99.5834



17.1395, 17.6506, 22.7535



9.6457, 4.2010, 49.7371



0.9830, 0.4966, 4.8573

Inverse Universe

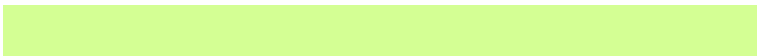
The Inverse Universe completely reimagines the original color for something new.



58.0024, 44.9100, 37.9603



53.5846, 38.4444, 29.1812



68.3153, 87.6853, 41.3433



18.0783, 18.0146, 19.0295



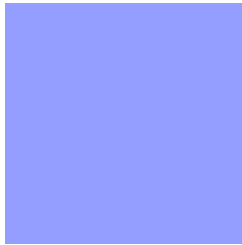
21.6569, 11.1521, 1.5778



2.1308, 1.0947, 0.2700

Previews

White Background



This preview shows how the XYZ color 42.4896, 37.9696, 99.6972 looks on a white background.

Color Contrast Check

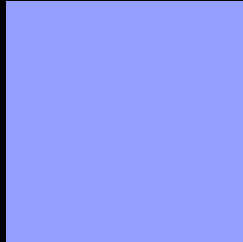
Large Text (above 18pt) WCAG AA × Fail

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 42.4896, 37.9696, 99.6972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

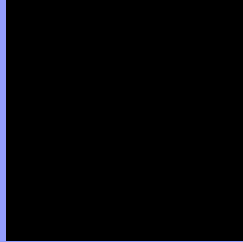
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.4896, 37.9696, 99.6972

Background



This preview shows how black text looks on a background with the XYZ color 42.4896, 37.9696, 99.6972.



This preview shows how white text looks on a background with the XYZ color 42.4896, 37.9696,

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

42.4896, 37.9696, 99.6972

Protanopia

40.4861, 37.9662, 99.8021

Deuteranopia

39.2108, 38.1397, 98.2236



Tritanopia

32.8214, 37.7960, 52.0199

Trichromacy



Original Color

42.4896, 37.9696, 99.6972

Protanomaly

41.2761, 38.1130, 99.7888

Deuteranomaly

40.1698, 37.8217, 98.9491

Tritanomaly

35.8931, 37.6589, 67.0052

Monochromacy



Original Color

42.4896, 37.9696, 99.6972

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.5883, 37.6425, 58.7107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4896, 37.9696, 99.6972 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(148, 158, 255)` looks like.

```
.text, #text, p{  
    color:rgb(148, 158, 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(148, 158, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 158, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.4896, 37.9696, 99.6972 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(148, 158, 255) }
```


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

```
.border{ border-color:rgb(148, 158, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 158, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 158, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 158, 255);  
box-shadow:4px 4px 4px 4px rgb(148, 158,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4896, 37.9696, 99.6972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 158, 255) }
```

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

```
.background{ background-color: rgb(148,  
158, 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