

Converting Colors

XYZ(42.9154, 36.9487, 99.4777)

Have a look what the booklet for
XYZ(42.9154, 36.9487, 99.4777)
contains.

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Color

**XYZ(42.9588, 36.9710,
99.4797)**

Conversions

Conversions Part 1

Format	Color
Hex	9B99FF
RGB	155, 153, 255
RGB Percent	61%, 60%, 100%
CMY	0.3921, 0.4000, 0.0000
CMYK	0.39, 0.40, 0.00, 0.00
HSL	241°, 100%, 80%
HSV	241°, 40%, 100%
XYZ	42.9588, 36.9710, 99.4797
YIQ	165.2260, -31.5500, 32.1460

Conversions

Conversions Part 2

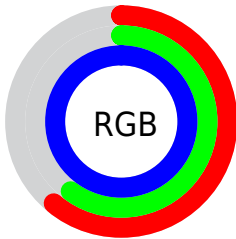
Format	Color
RYB	155, 153, 255
Decimal	10197503
CIELab	67.26, 24.86, -50.52
CIElCh	67, 56.308, 296.195
Yxy	36.9710, 0.2394, 0.2061
Android (android.graphics.Color)	4288387583 (0xFF9B99FF)
YUV	165.2260, 44.2586, -8.9682
Hunter-Lab	60.8038, 19.7064, -54.4404

Details

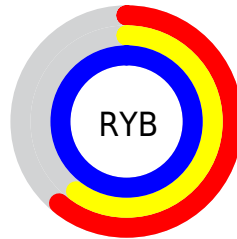
The XYZ color **42.9588, 36.9710, 99.4797** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **82.0173, 94.7023, 44.0947**, and the grayscale version is **35.6788, 37.5369, 40.8777**.

A 20% lighter version of the original color is **67.8034, 65.9918, 103.7718**, and **20.0900, 16.2326, 55.5004** is the 20% darker color. If you saturate the color by 10%, you get **34.9111, 27.2751, 98.0323**, and if you desaturate by 10%, it is **52.8939, 48.9649, 101.2711**.

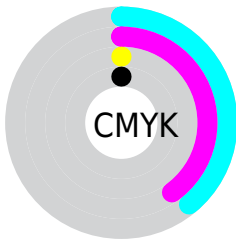
Distribution



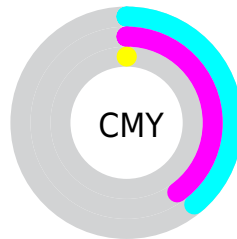
- Red (61%)
- Green (60%)
- Blue (100%)



- Red (61%)
- Yellow (60%)
- Blue (100%)



- Cyan (39%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)



- Cyan (39%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9588, 36.9710, 99.4797 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 42.9588, 36.9710, 99.4797 by changing the saturation by 10% instead.

■ 42.9588, 36.9710,
99.4797

■ 42.9588, 36.9710,
99.4797

349.3667,
333.1850, 579.7557

■ 30.0472, 25.1850,
75.2516

■ 78.9048, 70.5282,
162.4876

■ 20.0226, 16.2150,
55.3161

■ 102.6698, 93.0682,
202.1046

■ 12.5199, 9.6764,
39.2545

130.7834,
119.9617, 247.6882

■ 7.1735, 5.1849,
26.6484

163.6109,
151.5930, 299.6570

■ 3.6181, 2.3562,
17.0793

201.5176,
188.3466, 358.4297

■ 1.4884, 0.8032,
10.1285

244.8689,

■ 0.3180, 0.0000,

230.6069, 424.4246

5.3775

294.0302,
278.7582, 498.0605

■ 0.0000, 0.0000,
2.4078

■ 0.0000, 0.0000,
0.7907

■ 42.9588, 36.9710,
99.4797

■ 42.9588, 36.9710,
99.4797

■ 34.9111, 27.2751,
98.0323

■ 52.8939, 48.9649,
101.2711

■ 28.6280, 19.7268,
96.9065

■ 64.8213, 63.3866,
103.4261

■ 23.9780, 14.1641,
96.0779

■ 78.8426, 80.3606,
105.9634

■ 20.8098, 10.4003,
95.5184

95.0500, 100.0000,
108.9000

■ 18.9441, 8.2131,
95.1946

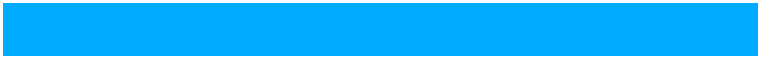
■ 18.1127, 7.2524,
95.0529

■ 18.1126, 7.2523,
95.0529

Harmonies

Analogous

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



34.0534, 36.9710, 108.4377



42.9588, 36.9710, 99.4797



50.7542, 36.9710, 72.7828

Triad

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



42.9588, 36.9710, 99.4797



45.1697, 36.9710, 12.3282



21.0843, 36.9710, 37.1922

Complementary

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



42.9588, 36.9710, 99.4797



82.0173, 94.7023, 44.0947

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.



23.1094, 36.9710, 19.2322



42.9588, 36.9710, 99.4797



36.2491, 36.9710, 9.0742

Square

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



42.9588, 36.9710, 99.4797



52.1699, 36.9710, 22.7559



28.3323, 36.9710, 10.9542



22.2891, 36.9710, 64.9962

Rectangle

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



42.9588, 36.9710, 99.4797



53.7750, 36.9710, 52.6506



28.3323, 36.9710, 10.9542



21.3999, 36.9710, 29.9760

Sweetspot

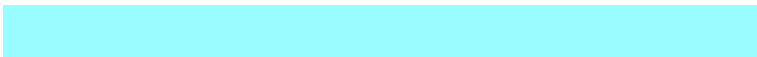
The Sweet Spot groups the original color and five complimentary colors.



42.9601, 36.9723, 99.4799



75.8648, 76.7542, 105.4243



66.4074, 84.4327, 107.4048



15.8321, 15.9369, 22.4916



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.



42.9601, 36.9723, 99.4799



36.3749, 29.0368, 98.2952



54.8124, 43.0824, 100.0345



17.0360, 17.3948, 22.7096



9.4785, 3.7968, 49.6679



0.9340, 0.3754, 4.8365

Inverse Universe

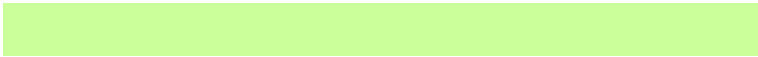
The Inverse Universe completely reimagines the original color for something new.



70.3610, 51.1350, 99.0885



67.2384, 44.9920, 97.7332



65.9487, 86.4186, 43.3427



18.7764, 18.2939, 22.7056



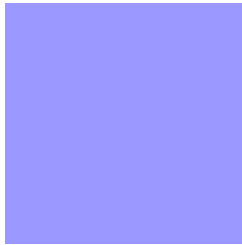
30.5717, 14.7180, 48.5223



2.9814, 1.4349, 4.7493

Previews

White Background



This preview shows how the XYZ color 42.9588, 36.9710, 99.4797 looks on a white background.

Color Contrast Check

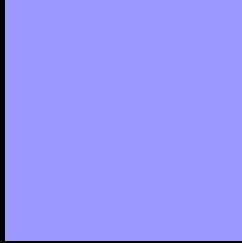
Large Text (above 18pt) WCAG AA × Fail

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 42.9588, 36.9710, 99.4797 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 42.9588, 36.9710, 99.4797

Background



This preview shows how black text looks on a background with the XYZ color 42.9588, 36.9710, 99.4797.



This preview shows how white text looks on a background with the XYZ color 42.9588, 36.9710,

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

42.9588, 36.9710, 99.4797

Protanopia

39.5229, 36.9508, 99.6569

Deuteranopia

38.2980, 37.1378, 98.0783



Tritanopia

32.9480, 37.0717, 49.6750

Trichromacy



Original Color

42.9588, 36.9710, 99.4797

Protanomaly

40.5882, 36.7372, 99.5595

Deuteranomaly

39.6476, 36.7773, 98.7750

Tritanomaly

36.1074, 36.7271, 65.5076

Monochromacy



Original Color

42.9588, 36.9710, 99.4797

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

37.6359, 37.1440, 58.6120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9588, 36.9710, 99.4797 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(155, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(155, 153, 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(155, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 153, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.9588, 36.9710, 99.4797 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(155, 153, 255) }
```


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

```
.border{ border-color:rgb(155, 153, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(155, 153,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9588, 36.9710, 99.4797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 153, 255) }
```

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

```
.background{ background-color: rgb(155,  
153, 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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