

Converting Colors

XYZ(42.9166, 37.4517, 99.5747)

Have a look what the booklet for
XYZ(42.9166, 37.4517, 99.5747)
contains.

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Color

**XYZ(42.9082, 37.4350,
99.5719)**

Conversions

Conversions Part 1

Format	Color
Hex	999BFF
RGB	153, 155, 255
RGB Percent	60%, 61%, 100%
CMY	0.4000, 0.3921, 0.0000
CMYK	0.40, 0.39, 0.00, 0.00
HSL	239°, 100%, 80%
HSV	239°, 40%, 100%
XYZ	42.9082, 37.4350, 99.5719
YIQ	165.8020, -33.2920, 30.6760

Conversions

Conversions Part 2

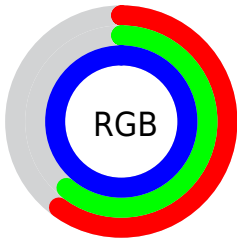
Format	Color
RYB	153, 155, 255
Decimal	10066943
CIELab	67.60, 23.21, -49.99
CIElCh	68, 55.112, 294.906
Yxy	37.4350, 0.2385, 0.2081
Android (android.graphics.Color)	4288257023 (0xFF999BFF)
YUV	165.8020, 43.9746, -11.2274
Hunter-Lab	61.1841, 18.1091, -53.6604

Details

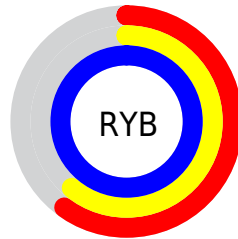
The XYZ color **42.9082, 37.4350, 99.5719** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **82.1160, 93.8117, 43.9184**, and the grayscale version is **35.9572, 37.8298, 41.1966**.

A 20% lighter version of the original color is **67.7144, 66.6698, 103.9074**, and **20.0731, 16.5192, 55.5566** is the 20% darker color. If you saturate the color by 10%, you get **34.8606, 27.7367, 98.1241**, and if you desaturate by 10%, it is **52.8479, 49.3885, 101.3553**.

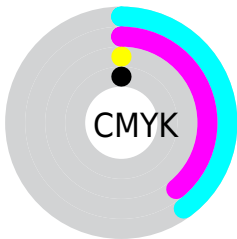
Distribution



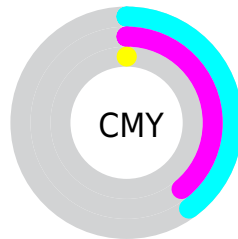
- Red (60%)
- Green (61%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9082, 37.4350, 99.5719 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 42.9082, 37.4350, 99.5719 by changing the saturation by 10% instead.

■ 42.9082, 37.4350,
99.5719

■ 42.9082, 37.4350,
99.5719

349.1620,
335.1900, 580.0542

■ 30.0073, 25.5445,
75.3282

■ 78.8289, 71.2413,
162.6155

■ 19.9922, 16.4832,
55.3784

■ 102.5794, 93.9259,
202.2524

■ 12.4976, 9.8667,
39.3041

130.6771,
120.9773, 247.8575

■ 7.1581, 5.3107,
26.6868

163.4875,
152.7798, 299.8493

■ 3.6084, 2.4307,
17.1078

201.3758,
189.7180, 358.6463

■ 1.4831, 0.8416,
10.1486

244.7074,

■ 0.3143, 0.0000,

232.1762, 424.6671

5.3907

293.8477,
280.5387, 498.3303

■ 0.0000, 0.0000,
2.4156

■ 0.0000, 0.0000,
0.7949

■ 42.9082, 37.4350,
99.5719

■ 42.9082, 37.4350,
99.5719

■ 34.8606, 27.7367,
98.1241

■ 52.8479, 49.3885,
101.3553

■ 28.5818, 20.1486,
96.9904

■ 64.7852, 63.7223,
103.4928

■ 23.9395, 14.5148,
96.1476

■ 78.8222, 80.5569,
106.0024

■ 20.7817, 10.6564,
95.5693

95.0500, 100.0000,
108.9000

■ 18.9277, 8.3617,
95.2241

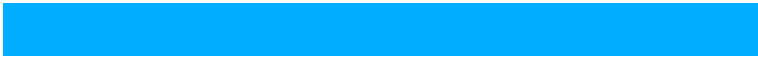
■ 18.1043, 7.3286,
95.0681

■ 18.1042, 7.3285,
95.0681

Harmonies

Analogous

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



34.1510, 37.4350, 107.3164



42.9082, 37.4350, 99.5719



50.6795, 37.4350, 73.9816

Triad

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



42.9082, 37.4350, 99.5719



45.8159, 37.4350, 13.2254



21.6715, 37.4350, 36.7485

Complementary

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



42.9082, 37.4350, 99.5719



82.1160, 93.8117, 43.9184

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.



23.8252, 37.4350, 19.3564



42.9082, 37.4350, 99.5719



37.0501, 37.4350, 9.6750

Square

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



42.9082, 37.4350, 99.5719



52.5366, 37.4350, 24.0710



29.1391, 37.4350, 11.3605



22.7330, 37.4350, 63.7905

Rectangle

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



42.9082, 37.4350, 99.5719



53.7848, 37.4350, 54.1875



29.1391, 37.4350, 11.3605



22.0318, 37.4350, 29.7575

Sweetspot

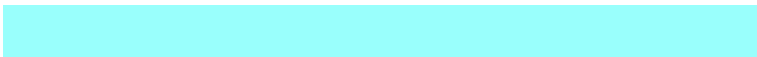
The Sweet Spot groups the original color and five complimentary colors.



42.9095, 37.4363, 99.5721



75.8397, 76.9814, 105.4695



66.4051, 85.2957, 104.7274



15.8263, 15.9898, 22.5021



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.



42.9095, 37.4363, 99.5721



36.3235, 29.5015, 98.3876



53.4226, 42.3664, 99.9696



17.0316, 17.4347, 22.7175



9.4722, 3.8539, 49.6792



0.9319, 0.3944, 4.8403

Inverse Universe

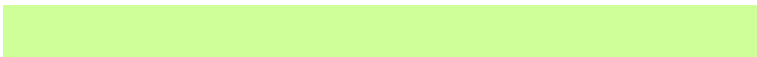
The Inverse Universe completely reimagines the original color for something new.



58.5486, 46.4105, 36.8838



53.9459, 39.6749, 27.7357



67.3547, 87.1434, 43.4093



18.0238, 17.9928, 18.7426



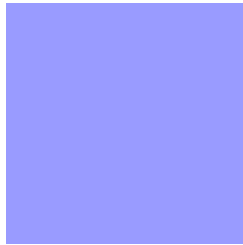
21.5693, 11.1170, 1.1166



2.1050, 1.0844, 0.1342

Previews

White Background



This preview shows how the XYZ color 42.9082, 37.4350, 99.5719 looks on a white background.

Color Contrast Check

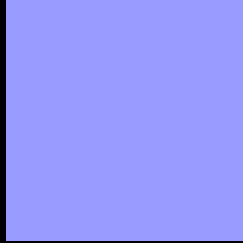
Large Text (above 18pt) WCAG AA × Fail

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 42.9082, 37.4350, 99.5719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

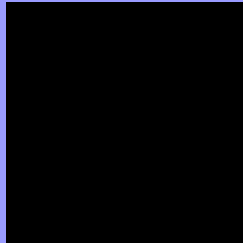
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.9082, 37.4350, 99.5719

Background



This preview shows how black text looks on a background with the XYZ color 42.9082, 37.4350, 99.5719.



This preview shows how white text looks on a background with the XYZ color 42.9082, 37.4350,

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

42.9082, 37.4350, 99.5719

Protanopia

40.0008, 37.4556, 99.7291

Deuteranopia

38.7508, 37.6358, 98.1506



Tritanopia

33.1798, 37.4444, 50.8261

Trichromacy



Original Color

42.9082, 37.4350, 99.5719

Protanomaly

40.9294, 37.4195, 99.6732

Deuteranomaly

40.1500, 37.5510, 98.8979

Tritanomaly

36.2433, 37.3142, 66.2649

Monochromacy



Original Color

42.9082, 37.4350, 99.5719

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.8113, 37.4949, 58.6705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9082, 37.4350, 99.5719 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(153, 155, 255)` looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 42.9082, 37.4350, 99.5719 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(153, 155, 255) }
```


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

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

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

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

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

Background

The CSS property to change the background color of an element to XYZ 42.9082, 37.4350, 99.5719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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