

Converting Colors

XYZ(50.9082, 39.2316,
142.4709)

Have a look what the booklet for
XYZ(50.9082, 39.2316, 142.4709)
contains.

XYZ(42.7021, 35.8830, 99.2832)	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(42.7021, 35.8830,
99.2832)**

Conversions

Conversions Part 1

Format	Color
Hex	9D95FF
RGB	157, 149, 255
RGB Percent	62%, 58%, 100%
CMY	0.3843, 0.4157, 0.0000
CMYK	0.38, 0.42, 0.00, 0.00
HSL	245°, 100%, 79%
HSV	245°, 42%, 100%
XYZ	42.7021, 35.8830, 99.2832
YIQ	163.4760, -29.2580, 34.6620

Conversions

Conversions Part 2

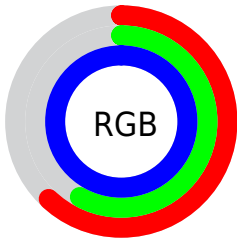
Format	Color
R_{YB}	157, 149, 255
Decimal	10327551
CIE _{Lab}	66.43, 27.64, -51.82
CIE _{LCh}	66, 58.732, 298.079
Yxy	35.8830, 0.2401, 0.2017
Android (android.graphics.Color)	4288517631 (0xFF9D95FF)
YUV	163.4760, 45.1213, -5.6795
Hunter-Lab	59.9024, 22.4165, -56.3365

Details

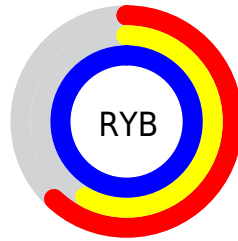
The XYZ color **42.7021, 35.8830, 99.2832** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **79.5421, 93.4638, 42.2829**, and the grayscale version is **34.8420, 36.6565, 39.9189**.

A 20% lighter version of the original color is **67.4303, 64.3789, 103.4802**, and **19.9276, 15.5793, 55.3829** is the 20% darker color. If you saturate the color by 10%, you get **34.9363, 26.5325, 97.8877**, and if you desaturate by 10%, it is **52.2409, 47.4597, 101.0150**.

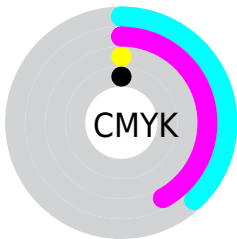
Distribution



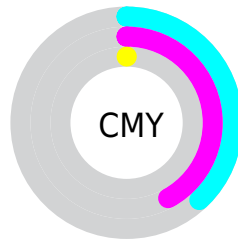
- Red (62%)
- Green (58%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7021, 35.8830, 99.2832 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 42.7021, 35.8830, 99.2832 by changing the saturation by 10% instead.

■ 42.7021, 35.8830,
99.2832

■ 42.7021, 35.8830,
99.2832

348.3275,
328.4489, 579.1191

■ 29.8450, 24.3438,
75.0885

■ 78.5196, 68.8514,
162.2151

■ 19.8684, 15.5889,
55.1832

■ 102.2108, 91.0495,
201.7893

■ 12.4071, 9.2337,
39.1488

130.2439,
117.5694, 247.3271

■ 7.0958, 4.8939,
26.5668

162.9844,
148.7954, 299.2471

■ 3.5689, 2.1852,
17.0186

200.7977,
185.1119, 357.9678

■ 1.4613, 0.7119,
10.0857

244.0491,

■ 0.2993, 0.0000,

226.9034, 423.9076

5.3494

293.1039,
274.5543, 497.4852

■ 0.0000, 0.0000,
2.3914

■ 0.0000, 0.0000,
0.7818

■ 42.7021, 35.8830,
99.2832

■ 42.7021, 35.8830,
99.2832

■ 34.9363, 26.5325,
97.8877

■ 52.2409, 47.4597,
101.0150

■ 28.8302, 19.2615,
96.8061

■ 63.6491, 61.3889,
103.1023

■ 24.2635, 13.9117,
96.0141

■ 77.0204, 77.7923,
105.5638

■ 21.0977, 10.3003,
95.4839

■ 92.4414, 96.7818,
108.4163

■ 19.1691, 8.2089,
95.1819

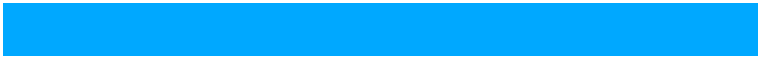
95.0500, 100.0000,
108.9000

■ 18.3235, 7.3610,
95.0628

Harmonies

Analogous

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



33.5420, 35.8830, 110.2286



42.7021, 35.8830, 99.2832



50.5696, 35.8830, 70.6856

Triad

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



42.7021, 35.8830, 99.2832



43.8528, 35.8830, 10.6921



19.8409, 35.8830, 37.4695

Complementary

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



42.7021, 35.8830, 99.2832



79.5421, 93.4638, 42.2829

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.



21.6701, 35.8830, 18.6478



42.7021, 35.8830, 99.2832



34.6757, 35.8830, 7.9016

Square

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



42.7021, 35.8830, 99.2832



51.3103, 35.8830, 20.4183



26.7481, 35.8830, 10.0223



21.2539, 35.8830, 66.5923

Rectangle

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



42.7021, 35.8830, 99.2832



53.4749, 35.8830, 49.9540



26.7481, 35.8830, 10.0223



20.0895, 35.8830, 29.8951

Sweetspot

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



42.7034, 35.8843, 99.2834



76.4005, 77.0304, 105.4494



63.9919, 80.7037, 106.8124



15.9569, 16.0012, 22.4975



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.



42.7034, 35.8843, 99.2834



36.0412, 27.8572, 98.0851



55.1115, 42.2809, 99.8641



17.1300, 17.4432, 22.7140



9.6195, 3.8695, 49.6745



0.9786, 0.3984, 4.8386

Inverse Universe

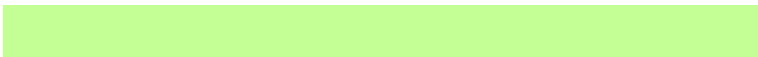
The Inverse Universe completely reimagines the original color for something new.



68.7761, 49.4710, 93.9181



65.4328, 43.1837, 91.5731



63.6739, 85.2834, 41.5402



18.7300, 18.2753, 22.4613



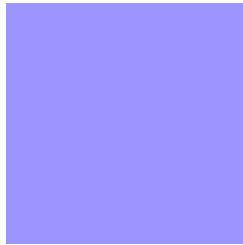
29.4659, 14.2757, 42.6994



2.8859, 1.3967, 4.2467

Previews

White Background



This preview shows how the XYZ color 42.7021, 35.8830, 99.2832 looks on a white background.

Color Contrast Check

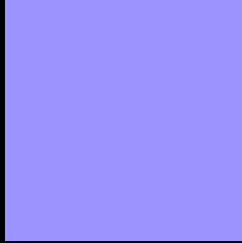
Large Text (above 18pt) WCAG AA × Fail

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 42.7021, 35.8830, 99.2832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

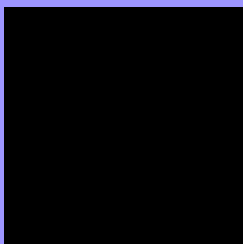
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.7021, 35.8830, 99.2832

Background



This preview shows how black text looks on a background with the XYZ color 42.7021, 35.8830, 99.2832.



This preview shows how white text looks on a background with the XYZ color 42.7021, 35.8830,

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

42.7021, 35.8830, 99.2832

Protanopia

38.5890, 35.9588, 99.5146

Deuteranopia

37.1256, 36.0287, 97.0930



Tritanopia

32.4204, 36.0161, 47.8909

Trichromacy



Original Color

42.7021, 35.8830, 99.2832

Protanomaly

39.9247, 35.8969, 99.4323

Deuteranomaly

38.8399, 35.8729, 97.8056

Tritanomaly

35.6874, 35.7576, 64.0525

Monochromacy



Original Color

42.7021, 35.8830, 99.2832

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

36.8886, 36.0163, 57.2322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7021, 35.8830, 99.2832 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(157, 149, 255)` looks like.

```
.text, #text, p{  
    color:rgb(157, 149, 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(157, 149, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 149, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.7021, 35.8830, 99.2832 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(157, 149, 255) }
```


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

```
.border{ border-color:rgb(157, 149, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 149, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 149, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 149, 255);  
box-shadow:4px 4px 4px 4px rgb(157, 149,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7021, 35.8830, 99.2832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 149, 255) }
```

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

```
.background{ background-color: rgb(157,  
149, 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