

Converting Colors

XYZ(42.7131, 35.6110, 99.2301)

Have a look what the booklet for
XYZ(42.7131, 35.6110, 99.2301)
contains.

XYZ(42.7405, 35.6689, 99.2399)	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(42.7405, 35.6689,
99.2399)**

Conversions

Conversions Part 1

Format	Color
Hex	9E94FF
RGB	158, 148, 255
RGB Percent	62%, 58%, 100%
CMY	0.3804, 0.4196, 0.0000
CMYK	0.38, 0.42, 0.00, 0.00
HSL	246°, 100%, 79%
HSV	246°, 42%, 100%
XYZ	42.7405, 35.6689, 99.2399
YIQ	163.1880, -28.3870, 35.3970

Conversions

Conversions Part 2

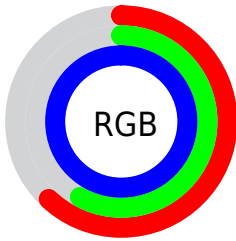
Format	Color
RYB	158, 148, 255
Decimal	10392831
CIELab	66.27, 28.47, -52.07
CIELCh	66, 59.347, 298.664
Yxy	35.6689, 0.2406, 0.2008
Android (android.graphics.Color)	4288582911 (0xFF9E94FF)
YUV	163.1880, 45.2633, -4.5499
Hunter-Lab	59.7234, 23.2257, -56.7132

Details

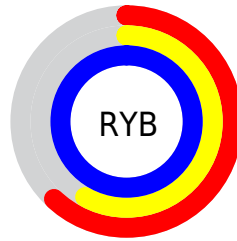
The XYZ color **42.7405, 35.6689, 99.2399** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **78.7609, 93.0703, 41.8312**, and the grayscale version is **34.7052, 36.5126, 39.7622**.

A 20% lighter version of the original color is **67.4894, 64.0600, 103.4155**, and **19.9472, 15.4514, 55.3572** is the 20% darker color. If you saturate the color by 10%, you get **35.0451, 26.4044, 97.8572**, and if you desaturate by 10%, it is **52.1745, 47.1386, 100.9565**.

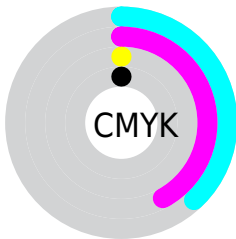
Distribution



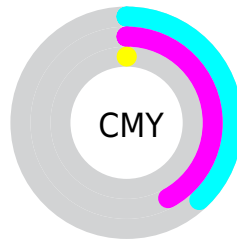
- Red (62%)
- Green (58%)
- Blue (100%)



- 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 42.7405, 35.6689, 99.2399 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 42.7405, 35.6689, 99.2399 by changing the saturation by 10% instead.

■ 42.7405, 35.6689,
99.2399

■ 42.7405, 35.6689,
99.2399

348.4831,
327.5110, 578.9788

■ 29.8752, 24.1786,
75.0526

■ 78.5773, 68.5207,
162.1550

■ 19.8915, 15.4662,
55.1540

■ 102.2795, 90.6510,
201.7198

■ 12.4240, 9.1472,
39.1256

130.3246,
117.0968, 247.2476

■ 7.1074, 4.8373,
26.5488

163.0782,
148.2423, 299.1568

■ 3.5763, 2.1521,
17.0052

200.9055,
184.4722, 357.8659

■ 1.4653, 0.6937,
10.0762

244.1718,

■ 0.3021, 0.0000,

226.1706, 423.7936

5.3433

293.2426,
273.7221, 497.3584

■ 0.0000, 0.0000,
2.3878

■ 0.0000, 0.0000,
0.7798

■ 42.7405, 35.6689,
99.2399

■ 42.7405, 35.6689,
99.2399

■ 35.0451, 26.4044,
97.8572

■ 52.1745, 47.1386,
100.9565

■ 28.9780, 19.1997,
96.7863

■ 63.4409, 60.9389,
103.0264

■ 24.4222, 13.8975,
96.0030

■ 76.6310, 77.1902,
105.4681

■ 21.2430, 10.3165,
95.4794

■ 91.8292, 96.0036,
108.2984

■ 19.2814, 8.2394,
95.1819

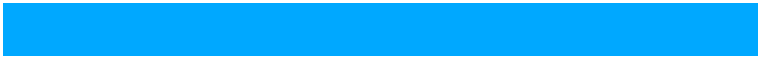
95.0500, 100.0000,
108.9000

■ 18.4228, 7.4122,
95.0674

Harmonies

Analogous

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



33.5070, 35.6689, 110.8043



42.7405, 35.6689, 99.2399



50.6191, 35.6689, 70.1070

Triad

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



42.7405, 35.6689, 99.2399



43.5475, 35.6689, 10.3063



19.5731, 35.6689, 37.7121

Complementary

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



42.7405, 35.6689, 99.2399



78.7609, 93.0703, 41.8312

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.



21.3423, 35.6689, 18.6012



42.7405, 35.6689, 99.2399



34.3005, 35.6689, 7.6443

Square

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



42.7405, 35.6689, 99.2399



51.1392, 35.6689, 19.8322



26.3750, 35.6689, 9.8441



21.0522, 35.6689, 67.2293

Rectangle

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



42.7405, 35.6689, 99.2399



53.4812, 35.6689, 49.2293



26.3750, 35.6689, 9.8441



19.8011, 35.6689, 30.0216

Sweetspot

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



42.7417, 35.6701, 99.2400



75.1668, 75.3822, 105.1962



63.2444, 79.4785, 106.6153



15.4391, 15.3333, 22.3958



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.



42.7417, 35.6701, 99.2400



36.4216, 28.0533, 98.1029



55.3377, 42.1636, 99.8295



17.1604, 17.4589, 22.7154



9.6787, 3.9000, 49.6772



0.9929, 0.4058, 4.8393

Inverse Universe

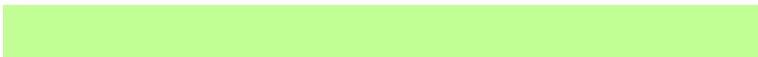
The Inverse Universe completely reimagines the original color for something new.



68.3114, 49.0330, 92.2484



65.0841, 43.0442, 89.7365



62.9921, 84.9412, 41.0932



18.7151, 18.2694, 22.3830



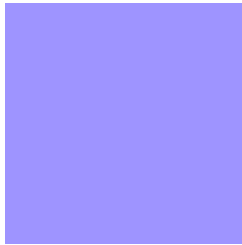
29.1277, 14.1404, 40.9183



2.8565, 1.3850, 4.0919

Previews

White Background



This preview shows how the XYZ color 42.7405, 35.6689, 99.2399 looks on a white background.

Color Contrast Check

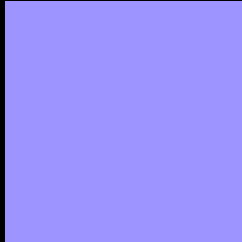
Large Text (above 18pt) WCAG AA × Fail

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 42.7405, 35.6689, 99.2399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

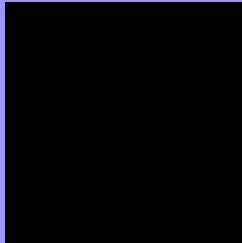
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.7405, 35.6689, 99.2399

Background



This preview shows how black text looks on a background with the XYZ color 42.7405, 35.6689, 99.2399.



This preview shows how white text looks on a background with the XYZ color 42.7405, 35.6689,

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

42.7405, 35.6689, 99.2399

Protanopia

38.5890, 35.9588, 99.5146

Deuteranopia

36.9976, 35.9628, 97.0870



Tritanopia

32.3062, 35.7001, 47.3076

Trichromacy



Original Color

42.7405, 35.6689, 99.2399

Protanomaly

39.7589, 35.5654, 99.3770

Deuteranomaly

38.6713, 35.5359, 97.7494

Tritanomaly

35.5713, 35.4555, 63.3613

Monochromacy



Original Color

42.7405, 35.6689, 99.2399

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 42.7405, 35.6689, 99.2399 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(158, 148, 255)` looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 42.7405, 35.6689, 99.2399 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(158, 148, 255) }
```


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

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

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

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

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

Background

The CSS property to change the background color of an element to XYZ 42.7405, 35.6689, 99.2399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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