

Converting Colors

XYZ(71.1673, 49.4293,
197.2888)

Have a look what the booklet for
XYZ(71.1673, 49.4293, 197.2888)
contains.

XYZ(52.7299, 42.0082, 99.9370)	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(52.7299, 42.0082,
99.9370)**

Conversions

Conversions Part 1

Format	Color
Hex	C699FF
RGB	198, 153, 255
RGB Percent	78%, 60%, 100%
CMY	0.2235, 0.4000, 0.0000
CMYK	0.22, 0.40, 0.00, 0.00
HSL	266°, 100%, 80%
HSV	266°, 40%, 100%
XYZ	52.7299, 42.0082, 99.9370
YIQ	178.0830, -5.9220, 41.2620

Conversions

Conversions Part 2

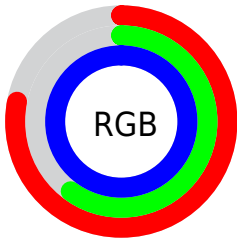
Format	Color
RYB	198, 153, 255
Decimal	13015551
CIELab	70.88, 36.38, -44.58
CIELCh	71, 57.536, 309.214
Yxy	42.0082, 0.2709, 0.2158
Android (android.graphics.Color)	4291205631 (0xFFC699FF)
YUV	178.0830, 37.9201, 17.4672
Hunter-Lab	64.8137, 31.7965, -46.0503

Details

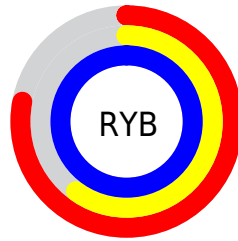
The XYZ color **52.7299, 42.0082, 99.9370** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **68.0887, 87.5218, 43.4433**, and the grayscale version is **42.1700, 44.3661, 48.3147**.

A 20% lighter version of the original color is **81.8459, 73.5918, 104.4986**, and **26.0021, 19.1354, 55.7491** is the 20% darker color. If you saturate the color by 10%, you get **45.4126, 32.6890, 98.5239**, and if you desaturate by 10%, it is **61.2951, 53.2962, 101.6643**.

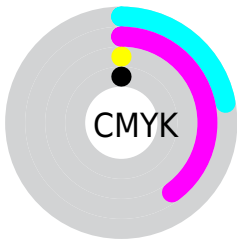
Distribution



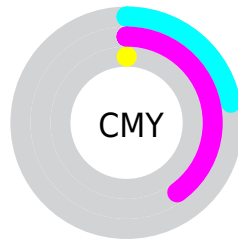
- Red (78%)
- Green (60%)
- Blue (100%)



- Red (78%)
- Yellow (60%)
- Blue (100%)



- Cyan (22%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (22%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.7299, 42.0082, 99.9370 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 52.7299, 42.0082, 99.9370 by changing the saturation by 10% instead.


 52.7299, 42.0082,
99.9370

 52.7299, 42.0082,
99.9370


387.5258,
354.5169, 581.2356

 37.8138, 29.1077,
75.6313

 93.3747, 78.2120,
163.1217

 26.0148, 19.1623,
55.6254


 119.8341,
102.2842, 202.8379

 16.9674, 11.7876,
39.5007

150.8719,
130.8490, 248.5279

 10.3064, 6.5992,
26.8386

186.8536,
164.2909, 300.6104

 5.6664, 3.2128,
17.2207

228.1445,
202.9942, 359.5039

 2.6820, 1.2438,
10.2284

275.1099,

 0.9879, 0.0970,

247.3434, 425.6269

5.4430

328.1153,
297.7228, 499.3979

■ 0.0000, 0.0000,
2.4462

■ 0.0000, 0.0000,
0.8115

■ 52.7299, 42.0082,
99.9370

■ 52.7299, 42.0082,
99.9370

■ 45.4126, 32.6890,
98.5239

■ 61.2951, 53.2962,
101.6643

■ 39.2721, 25.2142,
97.4047

■ 71.1656, 66.6576,
103.7231

■ 34.2355, 19.4522,
96.5580

■ 82.4000, 82.1950,
106.1300

■ 30.2191, 15.2510,
95.9588

95.0500, 100.0000,
108.9000

■ 27.1242, 12.4301,
95.5774

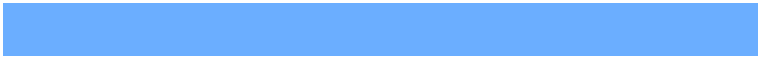
■ 24.7964, 10.6980,
95.3657

■ 24.7961, 10.6978,
95.3657

Harmonies

Analogous

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



42.9476, 42.0082, 119.9883



52.7299, 42.0082, 99.9370



59.7238, 42.0082, 67.1104

Triad

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



52.7299, 42.0082, 99.9370



46.8214, 42.0082, 12.0402



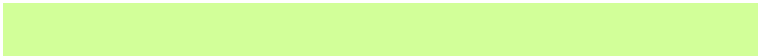
24.3767, 42.0082, 54.7094

Complementary

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



52.7299, 42.0082, 99.9370



68.0887, 87.5218, 43.4433

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.



25.0745, 42.0082, 29.4687



52.7299, 42.0082, 99.9370



37.0525, 42.0082, 10.9454

Square

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



52.7299, 42.0082, 99.9370



55.9518, 42.0082, 19.8539



29.3857, 42.0082, 15.8500



27.2983, 42.0082, 87.8105

Rectangle

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



52.7299, 42.0082, 99.9370



61.3020, 42.0082, 46.4666



29.3857, 42.0082, 15.8500



24.2075, 42.0082, 45.0206

Sweetspot

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



52.7313, 42.0098, 99.9372



80.0397, 78.9065, 105.6197



54.4326, 60.4827, 103.4132



16.8086, 16.4402, 22.5373



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.



52.7313, 42.0098, 99.9372



46.7789, 34.4003, 98.7821



68.2243, 49.9968, 100.6623



17.7636, 17.7698, 22.7436



13.1214, 5.6748, 49.8384



1.4006, 0.6160, 4.8583

Inverse Universe

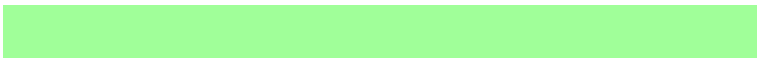
The Inverse Universe completely reimagines the original color for something new.



64.2648, 48.6969, 66.9857



60.1154, 42.1427, 60.2238



55.9680, 81.2734, 42.8761



18.4344, 18.1571, 20.9048



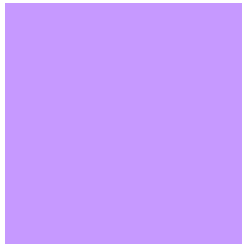
24.1960, 12.1677, 14.9484



2.4109, 1.2067, 1.7450

Previews

White Background



This preview shows how the XYZ color 52.7299, 42.0082, 99.9370 looks on a white background.

Color Contrast Check

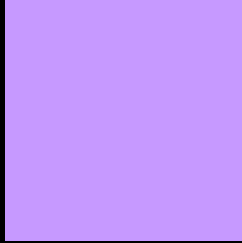
Large Text (above 18pt) WCAG AA × Fail

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 52.7299, 42.0082, 99.9370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

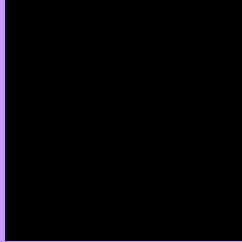
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.7299, 42.0082, 99.9370

Background



This preview shows how black text looks on a background with the XYZ color 52.7299, 42.0082, 99.9370.



This preview shows how white text looks on a background with the XYZ color 52.7299, 42.0082,

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

52.7299, 42.0082, 99.9370

Protanopia

44.2900, 42.3656, 100.4508

Deuteranopia

43.4928, 42.3097, 97.1411



Tritanopia

42.6390, 42.0676, 50.1285

Trichromacy



Original Color

52.7299, 42.0082, 99.9370

Protanomaly

46.6353, 41.6634, 100.1916

Deuteranomaly

46.1301, 41.7251, 97.7179

Tritanomaly

45.8410, 41.7450, 65.9631

Monochromacy



Original Color

52.7299, 42.0082, 99.9370

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

45.3361, 43.1465, 64.3311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.7299, 42.0082, 99.9370 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(198, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 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(198, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 153, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.7299, 42.0082, 99.9370 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(198, 153, 255) }
```


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

```
.border{ border-color:rgb(198, 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(198, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 153,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.7299, 42.0082, 99.9370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 153, 255) }
```

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

```
.background{ background-color: rgb(198,  
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](#).

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