

Converting Colors

XYZ(52.1062, 42.6774,
104.2270)

Have a look what the booklet for
XYZ(52.1062, 42.6774, 104.2270)
contains.

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Color

**XYZ(51.3422, 42.2811,
100.0628)**

Conversions

Conversions Part 1

Format	Color
Hex	BE9DFF
RGB	190, 157, 255
RGB Percent	75%, 62%, 100%
CMY	0.2549, 0.3843, 0.0000
CMYK	0.25, 0.38, 0.00, 0.00
HSL	260°, 100%, 81%
HSV	260°, 38%, 100%
XYZ	51.3422, 42.2811, 100.0628
YIQ	178.0390, -11.7900, 37.4740

Conversions

Conversions Part 2

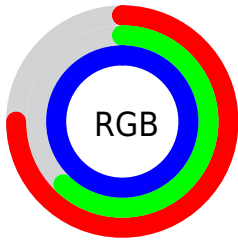
Format	Color
RYB	190, 157, 255
Decimal	12492287
CIELab	71.06, 31.93, -44.34
CIELCh	71, 54.637, 305.761
Yxy	42.2811, 0.2651, 0.2183
Android (android.graphics.Color)	4290682367 (0xFFBE9DFF)
YUV	178.0390, 37.9418, 10.4898
Hunter-Lab	65.0239, 27.1499, -45.7224

Details

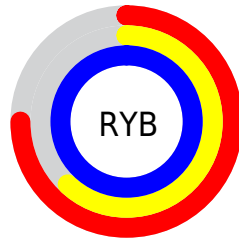
The XYZ color **51.3422, 42.2811, 100.0628** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **71.9704, 89.4841, 45.3788**, and the grayscale version is **42.1489, 44.3440, 48.2906**.

A 20% lighter version of the original color is **80.3049, 74.2634, 104.7095**, and **25.0761, 19.2487, 55.8198** is the 20% darker color. If you saturate the color by 10%, you get **43.4876, 32.4827, 98.5855**, and if you desaturate by 10%, it is **60.5900, 54.1359, 101.8636**.

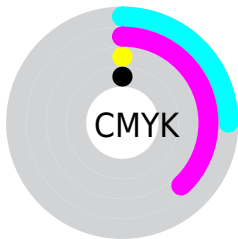
Distribution



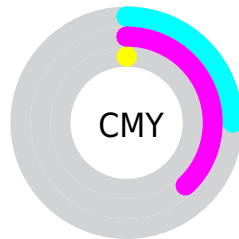
- Red (75%)
- Green (62%)
- Blue (100%)



- Red (75%)
- Yellow (62%)
- Blue (100%)



- Cyan (25%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3422, 42.2811, 100.0628 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 51.3422, 42.2811, 100.0628 by changing the saturation by 10% instead.

■ 51.3422, 42.2811,
100.0628

■ 51.3422, 42.2811,
100.0628

382.2576,
355.6469, 581.6424

■ 36.7032, 29.3215,
75.7358

■ 91.3404, 78.6249,
163.2961

■ 25.1504, 19.3241,
55.7105

■ 117.4302,
102.7778, 203.0395

■ 16.3184, 11.9047,
39.5685

148.0678,
131.4306, 248.7588

■ 9.8421, 6.6788,
26.8910

183.6183,
164.9677, 300.8725

■ 5.3558, 3.2621,
17.2597

224.4472,
203.7735, 359.7992

■ 2.4944, 1.2700,
10.2559

270.9198,

■ 0.8924, 0.1178,

248.2324, 425.9574

5.4611

323.4015,
298.7287, 499.7656

■ 0.0000, 0.0000,
2.4569

■ 0.0000, 0.0000,
0.8172

■ 51.3422, 42.2811,
100.0628

■ 51.3422, 42.2811,
100.0628

■ 43.4876, 32.4827,
98.5855

■ 60.5900, 54.1359,
101.8636

■ 36.9490, 24.6144,
97.4114

■ 71.2943, 68.1535,
104.0051

■ 31.6473, 18.5431,
96.5189

■ 83.5194, 84.4388,
106.5041

■ 27.4922, 14.1160,
95.8834

95.0500, 100.0000,
108.9000

■ 24.3791, 11.1535,
95.4757

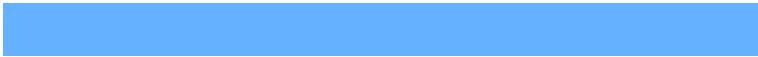
■ 22.1678, 9.4073,
95.2552

■ 21.8758, 9.1922,
95.2290

Harmonies

Analogous

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



41.9746, 42.2811, 116.3513



51.3422, 42.2811, 100.0628



58.4108, 42.2811, 69.9124

Triad

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



51.3422, 42.2811, 100.0628



47.8324, 42.2811, 13.7294



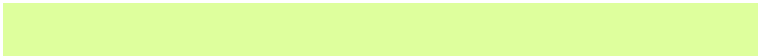
25.1306, 42.2811, 51.2693

Complementary

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



51.3422, 42.2811, 100.0628



71.9704, 89.4841, 45.3788

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.



26.2125, 42.2811, 28.3293



51.3422, 42.2811, 100.0628



38.4507, 42.2811, 11.9477

Square

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



51.3422, 42.2811, 100.0628



56.1792, 42.2811, 22.4653



30.7772, 42.2811, 16.1071



27.5601, 42.2811, 82.1063

Rectangle

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



51.3422, 42.2811, 100.0628



60.3560, 42.2811, 49.8538



30.7772, 42.2811, 16.1071



25.1009, 42.2811, 42.4201

Sweetspot

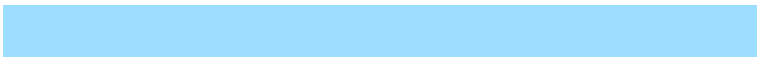
The Sweet Spot groups the original color and five complimentary colors.



51.3436, 42.2827, 100.0630



78.9767, 78.3585, 105.5699



58.1655, 66.8089, 104.4375



16.5591, 16.3117, 22.5257



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.



51.3436, 42.2827, 100.0630



45.2726, 34.6816, 98.9158



65.5919, 49.6280, 100.7298



17.5794, 17.6749, 22.7350



11.5721, 4.8761, 49.7659



1.2376, 0.5319, 4.8507

Inverse Universe

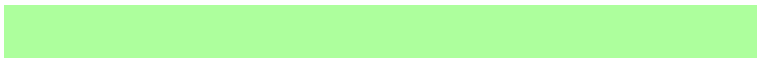
The Inverse Universe completely reimagines the original color for something new.



66.4824, 50.6491, 75.3797



62.6156, 44.2830, 69.8746



59.1541, 82.8771, 44.7790



18.5174, 18.1903, 21.3418



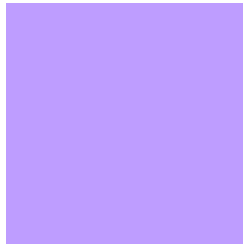
25.3696, 12.6371, 21.1288



2.5211, 1.2508, 2.3257

Previews

White Background



This preview shows how the XYZ color 51.3422, 42.2811, 100.0628 looks on a white background.

Color Contrast Check

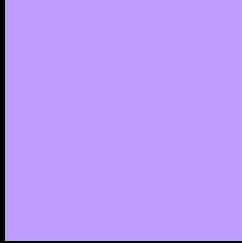
Large Text (above 18pt) WCAG AA × Fail

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 51.3422, 42.2811, 100.0628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

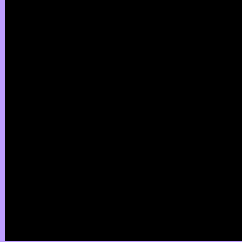
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.3422, 42.2811, 100.0628

Background



This preview shows how black text looks on a background with the XYZ color 51.3422, 42.2811, 100.0628.



This preview shows how white text looks on a background with the XYZ color 51.3422, 42.2811,

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

51.3422, 42.2811, 100.0628

Protanopia

44.4670, 42.4568, 100.4591

Deuteranopia

43.8419, 42.7551, 98.0373



Tritanopia

41.6409, 42.3549, 51.8795

Trichromacy



Original Color

51.3422, 42.2811, 100.0628

Protanomaly

46.5865, 42.1738, 100.2927

Deuteranomaly

46.0455, 42.2029, 98.6476

Tritanomaly

44.7430, 42.2357, 66.7669

Monochromacy



Original Color

51.3422, 42.2811, 100.0628

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

44.8067, 43.1508, 64.3599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3422, 42.2811, 100.0628 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(190, 157, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 157, 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(190, 157, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 157, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.3422, 42.2811, 100.0628 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(190, 157, 255) }
```


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

```
.border{ border-color:rgb(190, 157, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 157, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 157, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 157, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 157,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3422, 42.2811, 100.0628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 157, 255) }
```

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

```
.background{ background-color: rgb(190,  
157, 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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