

Converting Colors

XYZ(50.3077, 42.8030,
100.2181)

Have a look what the booklet for
XYZ(50.3077, 42.8030, 100.2181)
contains.

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Color

**XYZ(50.3233, 42.7770,
100.2122)**

Conversions

Conversions Part 1

Format	Color
Hex	B7A1FF
RGB	183, 161, 255
RGB Percent	72%, 63%, 100%
CMY	0.2823, 0.3686, 0.0000
CMYK	0.28, 0.37, 0.00, 0.00
HSL	254°, 100%, 82%
HSV	254°, 37%, 100%
XYZ	50.3233, 42.7770, 100.2122
YIQ	178.2940, -17.0620, 33.8980

Conversions

Conversions Part 2

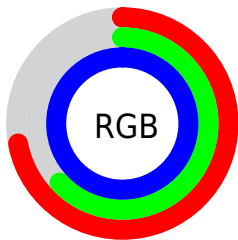
Format	Color
R _Y B	183, 161, 255
Decimal	12034559
CIE Lab	71.40, 27.76, -43.85
CIE LCh	71, 51.895, 302.335
Yxy	42.7770, 0.2603, 0.2213
Android (android.graphics.Color)	4290224639 (0xFFB7A1FF)
YUV	178.2940, 37.8161, 4.1272
Hunter-Lab	65.4041, 22.8844, -45.0612

Details

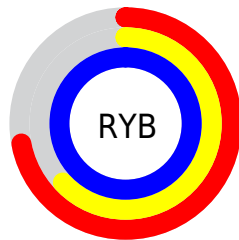
The XYZ color **50.3233, 42.7770, 100.2122** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **75.7976, 91.4170, 47.3700**, and the grayscale version is **42.2862, 44.4884, 48.4479**.

A 20% lighter version of the original color is **78.8815, 75.0325, 104.9330**, and **24.5638, 19.6037, 55.9153** is the 20% darker color. If you saturate the color by 10%, you get **41.9854, 32.5252, 98.6729**, and if you desaturate by 10%, it is **60.2173, 55.1816, 102.0851**.

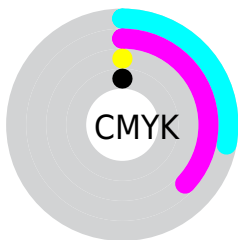
Distribution



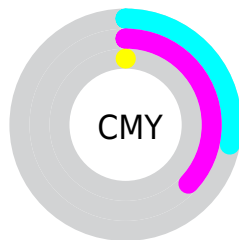
- Red (72%)
- Green (63%)
- Blue (100%)



- Red (72%)
- Yellow (63%)
- Blue (100%)



- Cyan (28%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.3233, 42.7770, 100.2122 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 50.3233, 42.7770, 100.2122 by changing the saturation by 10% instead.

50.3233, 42.7770,
100.2122

50.3233, 42.7770,
100.2122

378.3600,
357.6939, 582.1253

35.8892, 29.7102,
75.8599

89.8427, 79.3742,
163.5032

24.5183, 19.6187,
55.8117

115.6586,
103.6734, 203.2789

15.8454, 12.1182,
39.6490

145.9993,
132.4856, 249.0329

9.5050, 6.8242,
26.9532

181.2300,
166.1950, 301.1837

5.1317, 3.3524,
17.3060

221.7160,
205.1862, 360.1498

2.3603, 1.3184,
10.2886

267.8228,

0.8253, 0.1554,

249.8435, 426.3497

5.4826

319.9157,
300.5512, 500.2020

■ 0.0000, 0.0000,
2.4695

■ 0.0000, 0.0000,
0.8239

■ 50.3233, 42.7770,
100.2122

■ 50.3233, 42.7770,
100.2122

■ 41.9854, 32.5252,
98.6729

■ 60.2173, 55.1816,
102.0851

■ 35.1174, 24.2965,
97.4465

■ 71.7390, 69.8488,
104.3089

■ 29.6308, 17.9546,
96.5116

■ 84.9604, 86.8865,
106.9006

■ 25.4253, 13.3441,
95.8433

95.0500, 100.0000,
108.9000

■ 22.3856, 10.2833,
95.4128

■ 20.3711, 8.5455,
95.1835

■ 19.8944, 8.1708,
95.1363

Harmonies

Analogous

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



41.3466, 42.7770, 113.0968



50.3233, 42.7770, 100.2122



57.4285, 42.7770, 72.6816

Triad

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



50.3233, 42.7770, 100.2122



48.9690, 42.7770, 15.6360



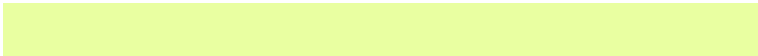
26.0750, 42.7770, 48.5647

Complementary

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



50.3233, 42.7770, 100.2122



75.7976, 91.4170, 47.3700

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.



27.5190, 42.7770, 27.6168



50.3233, 42.7770, 100.2122



39.9776, 42.7770, 13.1436

Square

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



50.3233, 42.7770, 100.2122



56.5712, 42.7770, 25.2892



32.3174, 42.7770, 16.6020



28.0500, 42.7770, 77.3457

Rectangle

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



50.3233, 42.7770, 100.2122



59.6866, 42.7770, 53.2946



32.3174, 42.7770, 16.6020



26.1764, 42.7770, 40.4488

Sweetspot

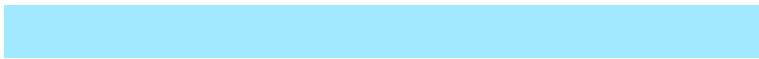
The Sweet Spot groups the original color and five complimentary colors.



50.3247, 42.7786, 100.2124



79.2781, 79.5413, 105.7823



61.9066, 73.1134, 105.4572



16.5842, 16.5295, 22.5664



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.



50.3247, 42.7786, 100.2124



44.2176, 35.2466, 99.0805



63.4075, 49.5230, 100.8247



17.4009, 17.5829, 22.7267



10.5033, 4.3251, 49.7158



1.1140, 0.4682, 4.8449

Inverse Universe

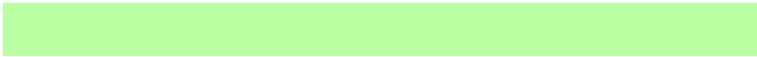
The Inverse Universe completely reimagines the original color for something new.



68.6934, 52.6341, 83.6297



65.1390, 46.4875, 79.4780



62.4598, 84.5411, 46.7459



18.6001, 18.2234, 21.7774



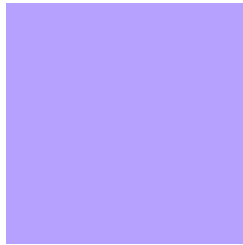
26.7751, 13.1993, 28.5300



2.6489, 1.3019, 2.9986

Previews

White Background



This preview shows how the XYZ color 50.3233, 42.7770, 100.2122 looks on a white background.

Color Contrast Check

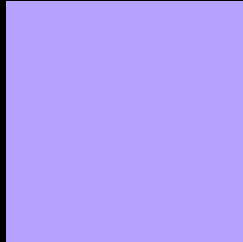
Large Text (above 18pt) WCAG AA × Fail

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 50.3233, 42.7770, 100.2122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

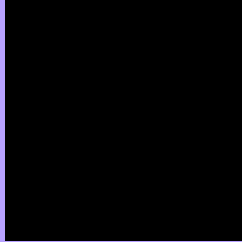
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.3233, 42.7770, 100.2122

Background



This preview shows how black text looks on a background with the XYZ color 50.3233, 42.7770, 100.2122.



This preview shows how white text looks on a background with the XYZ color 50.3233, 42.7770,

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

50.3233, 42.7770, 100.2122

Protanopia

44.8351, 42.9281, 100.5306

Deuteranopia

44.0159, 42.8447, 98.0454



Tritanopia

41.0928, 42.8801, 54.2550

Trichromacy



Original Color

50.3233, 42.7770, 100.2122

Protanomaly

46.5498, 42.6988, 100.3960

Deuteranomaly

46.0181, 42.7369, 98.7521

Tritanomaly

44.0642, 42.6675, 68.8640

Monochromacy



Original Color

50.3233, 42.7770, 100.2122

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

44.7155, 43.6646, 64.4639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3233, 42.7770, 100.2122 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(183, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 161, 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(183, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 161, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.3233, 42.7770, 100.2122 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(183, 161, 255) }
```


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

```
.border{ border-color:rgb(183, 161, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 161, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 161, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 161, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 161,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3233, 42.7770, 100.2122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 161, 255) }
```

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

```
.background{ background-color: rgb(183,  
161, 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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