

Converting Colors

XYZ(52.1290, 42.8777, 96.4366)

Have a look what the booklet for
XYZ(52.1290, 42.8777, 96.4366)
contains.

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Color

**XYZ(52.2345, 42.8147,
96.7778)**

Conversions

Conversions Part 1

Format	Color
Hex	C49DFB
RGB	196, 157, 251
RGB Percent	77%, 62%, 98%
CMY	0.2314, 0.3843, 0.0157
CMYK	0.22, 0.37, 0.00, 0.02
HSL	265°, 92%, 80%
HSV	265°, 37%, 98%
XYZ	52.2345, 42.8147, 96.7778
YIQ	179.3770, -6.9300, 37.5020

Conversions

Conversions Part 2

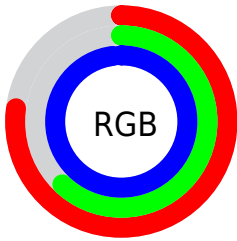
Format	Color
R _Y B	196, 157, 251
Decimal	12885499
CIE Lab	71.43, 32.70, -41.56
CIE LCh	71, 52.881, 308.202
Yxy	42.8147, 0.2723, 0.2232
Android (android.graphics.Color)	4291075579 (0xFFC49DFB)
YUV	179.3770, 35.3101, 14.5784
Hunter-Lab	65.4329, 27.9872, -41.8891

Details

The XYZ color **52.2345, 42.8147, 96.7778** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **67.7354, 85.4267, 44.8189**, and the grayscale version is **42.8702, 45.1027, 49.1169**.

A 20% lighter version of the original color is **82.4665, 75.3778, 104.8107**, and **25.7737, 19.6609, 53.4755** is the 20% darker color. If you saturate the color by 10%, you get **44.7813, 33.3036, 95.3355**, and if you desaturate by 10%, it is **60.9369, 54.2665, 98.5303**.

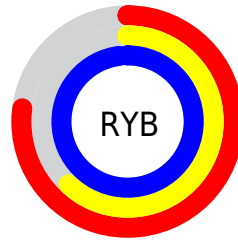
Distribution



Red (77%)

Green (62%)

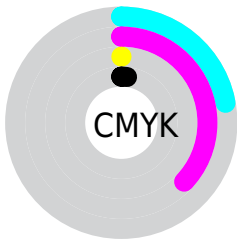
Blue (98%)



Red (77%)

Yellow (62%)

Blue (98%)

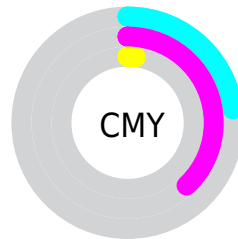


Cyan (22%)

Magenta (37%)

Yellow (0%)

Black (2%)



Cyan (23%)

Magenta (38%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2345, 42.8147, 96.7778 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 52.2345, 42.8147, 96.7778 by changing the saturation by 10% instead.

52.2345, 42.8147,
96.7778

52.2345, 42.8147,
96.7778

385.6503,
357.8492, 570.9700

37.4170, 29.7398,
73.0105

92.6492, 79.4312,
158.7351

25.7057, 19.6411,
53.4927

118.9771,
103.7415, 197.7621

16.7351, 12.1345,
37.8058

149.8726,
132.5657, 242.7128

10.1400, 6.8353,
25.5313

185.7009,
166.2882, 294.0057

5.5548, 3.3593,
16.2507

226.8275,
205.2934, 352.0593

2.6144, 1.3221,
9.5455

273.6177,

0.9533, 0.1582,

249.9657, 417.2922

4.9970

326.4369,
300.6895, 490.1229

■ 0.0000, 0.0000,
2.1868

■ 0.0000, 0.0000,
0.6667

■ 52.2345, 42.8147,
96.7778

■ 52.2345, 42.8147,
96.7778

■ 44.7813, 33.3036,
95.3355

■ 60.9369, 54.2665,
98.5303

■ 38.5084, 25.6149,
94.1821

■ 70.9434, 67.7575,
100.6069

■ 33.3462, 19.6251,
93.2980

■ 82.3109, 83.3855,
103.0243

■ 29.2153, 15.1925,
92.6601

■ 94.3198, 99.6972,
105.5398

■ 26.0233, 12.1510,
92.2413

94.4127, 99.7451,
105.5442

■ 23.6527, 10.2851,
92.0061

■ 23.1379, 9.9165,
91.9621

Harmonies

Analogous

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



43.1873, 42.8147, 113.9905



52.2345, 42.8147, 96.7778



58.7626, 42.8147, 67.3127

Triad

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



52.2345, 42.8147, 96.7778



47.3927, 42.8147, 14.2910



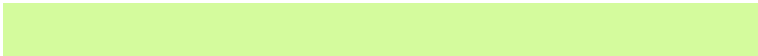
25.9843, 42.8147, 53.9734

Complementary

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



52.2345, 42.8147, 96.7778



67.7354, 85.4267, 44.8189

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.



26.7704, 42.8147, 30.6697



52.2345, 42.8147, 96.7778



38.2987, 42.8147, 12.9674

Square

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



52.2345, 42.8147, 96.7778



55.6953, 42.8147, 22.3829



30.9925, 42.8147, 17.7153



28.6619, 42.8147, 84.0183

Rectangle

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



52.2345, 42.8147, 96.7778



60.3304, 42.8147, 48.1743



30.9925, 42.8147, 17.7153



25.8608, 42.8147, 45.0955

Sweetspot

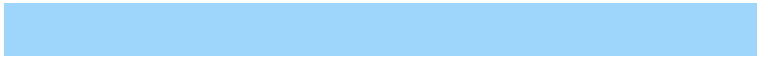
The Sweet Spot groups the original color and five complimentary colors.



52.2360, 42.8164, 96.7788



80.9630, 80.4099, 105.8612



55.2136, 61.9245, 100.3101



16.9840, 16.7356, 22.5851



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.



52.2360, 42.8164, 96.7788



48.1691, 36.7228, 99.1572



65.9515, 49.8870, 97.4206



16.9653, 16.9947, 21.7714



12.3186, 5.2931, 48.3460



1.2583, 0.5508, 4.4832

Inverse Universe

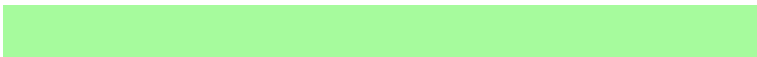
The Inverse Universe completely reimagines the original color for something new.



63.7254, 49.3781, 68.4607



61.9650, 44.6134, 64.6274



56.3942, 79.5800, 44.2881



17.6706, 17.3956, 20.1212



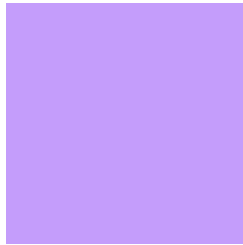
23.7487, 11.9152, 15.9170



2.2523, 1.1247, 1.7521

Previews

White Background



This preview shows how the XYZ color 52.2345, 42.8147, 96.7778 looks on a white background.

Color Contrast Check

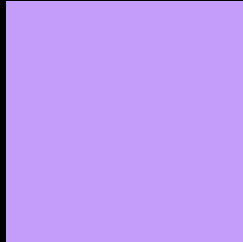
Large Text (above 18pt) WCAG AA × Fail

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 52.2345, 42.8147, 96.7778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

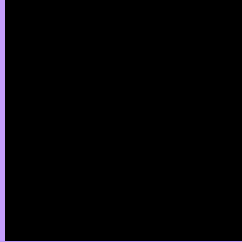
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.2345, 42.8147, 96.7778

Background



This preview shows how black text looks on a background with the XYZ color 52.2345, 42.8147, 96.7778.



This preview shows how white text looks on a background with the XYZ color 52.2345, 42.8147,

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

52.2345, 42.8147, 96.7778

Protanopia

44.8351, 42.9281, 100.5306

Deuteranopia

44.2813, 43.0540, 94.7833



Tritanopia

42.9818, 42.7769, 51.3388

Trichromacy



Original Color

52.2345, 42.8147, 96.7778



Protanomaly

47.2252, 42.7925, 99.5367



Deuteranomaly

46.6435, 42.5840, 95.3837

Tritanomaly

45.7604, 42.5179, 65.4694

Monochromacy



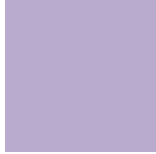
Original Color

52.2345, 42.8147, 96.7778



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

45.5899, 43.8479, 63.8182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2345, 42.8147, 96.7778 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(196, 157, 251)` looks like.

```
.text, #text, p{  
    color:rgb(196, 157, 251)  
}
```

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(196, 157, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 157, 251) }
```

Border

The CSS property to change the border of an element to XYZ 52.2345, 42.8147, 96.7778 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(196, 157, 251) }
```


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

```
.border{ border-color:rgb(196, 157, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 157, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 157, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 157, 251);  
box-shadow:4px 4px 4px 4px rgb(196, 157,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2345, 42.8147, 96.7778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 157, 251) }
```

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

```
.background{ background-color: rgb(196,  
157, 251) }
```

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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