

Converting Colors

XYZ(52.1033, 40.4746, 99.6740)

Have a look what the booklet for
XYZ(52.1033, 40.4746, 99.6740)
contains.

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Color

**XYZ(52.1931, 40.5419,
99.6822)**

Conversions

Conversions Part 1

Format	Color
Hex	C794FF
RGB	199, 148, 255
RGB Percent	78%, 58%, 100%
CMY	0.2196, 0.4196, 0.0000
CMYK	0.22, 0.42, 0.00, 0.00
HSL	269°, 100%, 79%
HSV	269°, 42%, 100%
XYZ	52.1931, 40.5419, 99.6822
YIQ	175.4470, -3.9510, 44.0890

Conversions

Conversions Part 2

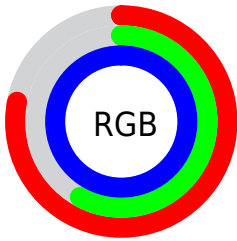
Format	Color
R_{YB}	199, 148, 255
Decimal	13079807
CIE _{Lab}	69.85, 39.39, -46.18
CIE _{LCh}	70, 60.691, 310.462
Yxy	40.5419, 0.2712, 0.2107
Android (android.graphics.Color)	4291269887 (0xFFC794FF)
YUV	175.4470, 39.2196, 20.6560
Hunter-Lab	63.6725, 34.8916, -48.2504

Details

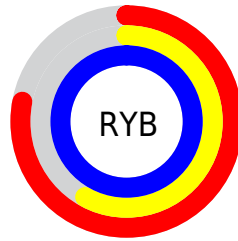
The XYZ color **52.1931, 40.5419, 99.6822** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **66.0076, 86.4957, 41.2348**, and the grayscale version is **40.7848, 42.9088, 46.7277**.

A 20% lighter version of the original color is **80.6459, 71.1919, 104.0986**, and **25.7036, 18.2826, 55.6002** is the 20% darker color. If you saturate the color by 10%, you get **45.2381, 31.6593, 98.3343**, and if you desaturate by 10%, it is **60.3423, 51.3496, 101.3388**.

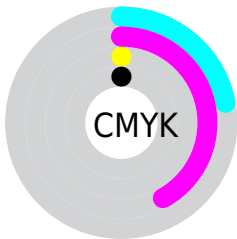
Distribution



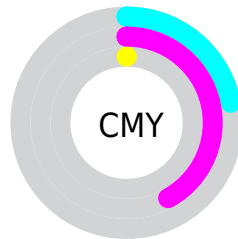
- Red (78%)
- Green (58%)
- Blue (100%)



- Red (78%)
- Yellow (58%)
- Blue (100%)



- Cyan (22%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (22%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.1931, 40.5419, 99.6822 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 52.1931, 40.5419, 99.6822 by changing the saturation by 10% instead.


 52.1931, 40.5419,
99.6822


 52.1931, 40.5419,
99.6822


385.4934,
348.4023, 580.4113

 37.3839, 27.9613,
75.4198


 92.5885, 75.9880,
162.7685

 25.6799, 18.2965,
55.4530


 118.9054, 99.6223,
202.4293

 16.7158, 11.1631,
39.3635

149.7890,
127.7099, 248.0601

 10.1261, 6.1766,
26.7326

185.6045,
160.6353, 300.0793

 5.5455, 2.9528,
17.1419

226.7173,
198.7829, 358.9055

 2.6088, 1.1071,
10.1727

273.4928,

 0.9504, 0.0000,

242.5370, 424.9572

5.4065

326.2964,
292.2820, 498.6529

■ 0.0000, 0.0000,
2.4248

■ 0.0000, 0.0000,
0.7999

■ 52.1931, 40.5419,
99.6822

■ 52.1931, 40.5419,
99.6822

■ 45.2381, 31.6593,
98.3343

■ 60.3423, 51.3496,
101.3388

■ 39.4068, 24.5760,
97.2744

■ 69.7424, 64.1878,
103.3214

■ 34.6268, 19.1583,
96.4806

■ 80.4512, 79.1600,
105.6469

■ 30.8139, 15.2506,
95.9273

■ 92.5212, 96.3609,
108.3309

■ 27.8680, 12.6660,
95.5837

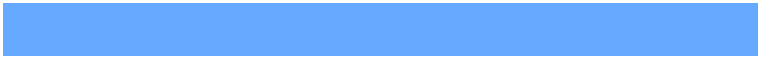
95.0500, 100.0000,
108.9000

■ 26.0117, 11.3244,
95.4226

Harmonies

Analogous

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



42.0800, 40.5419, 121.9600



52.1931, 40.5419, 99.6822



59.3052, 40.5419, 64.9060

Triad

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



52.1931, 40.5419, 99.6822



45.2286, 40.5419, 10.1981



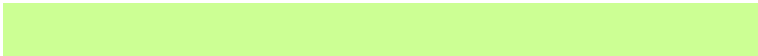
22.7351, 40.5419, 54.7548

Complementary

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



52.1931, 40.5419, 99.6822



66.0076, 86.4957, 41.2348

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.



23.2857, 40.5419, 28.3604



52.1931, 40.5419, 99.6822



35.1928, 40.5419, 9.3835

Square

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



52.1931, 40.5419, 99.6822



54.8335, 40.5419, 17.4511



27.4935, 40.5419, 14.3788



25.8341, 40.5419, 89.5859

Rectangle

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



52.1931, 40.5419, 99.6822



60.7715, 40.5419, 43.7071



27.4935, 40.5419, 14.3788



22.5146, 40.5419, 44.5823

Sweetspot

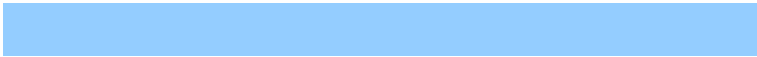
The Sweet Spot groups the original color and five complimentary colors.



52.1945, 40.5435, 99.6825



79.2742, 77.4997, 105.3885



52.1111, 57.2116, 102.9041



16.4440, 15.8513, 22.4429



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.



52.1945, 40.5435, 99.6825



46.5103, 33.2542, 98.5751



68.5805, 48.9908, 100.4493



17.8267, 17.8024, 22.7466



13.7615, 6.0048, 49.8683



1.4651, 0.6492, 4.8614

Inverse Universe

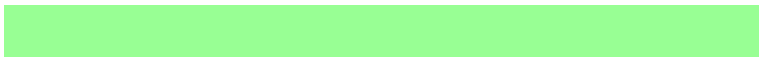
The Inverse Universe completely reimagines the original color for something new.



62.7296, 46.8006, 62.8543



58.6573, 40.4735, 55.8937



53.9742, 80.2922, 40.6717



18.4065, 18.1459, 20.7578



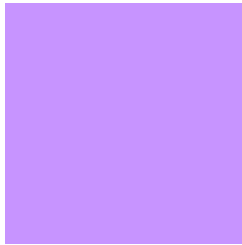
23.8535, 12.0307, 13.1448



2.3778, 1.1935, 1.5707

Previews

White Background



This preview shows how the XYZ color 52.1931, 40.5419, 99.6822 looks on a white background.

Color Contrast Check

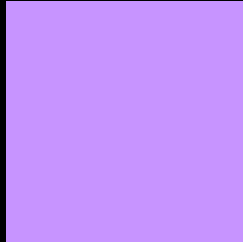
Large Text (above 18pt) WCAG AA × Fail

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 52.1931, 40.5419, 99.6822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

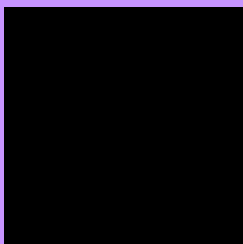
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.1931, 40.5419, 99.6822

Background



This preview shows how black text looks on a background with the XYZ color 52.1931, 40.5419, 99.6822.



This preview shows how white text looks on a background with the XYZ color 52.1931, 40.5419,

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

52.1931, 40.5419, 99.6822

Protanopia

42.8678, 40.8007, 100.2237

Deuteranopia

42.1038, 41.0329, 96.9678



Tritanopia

41.7407, 40.5637, 47.7491

Trichromacy



Original Color

52.1931, 40.5419, 99.6822



Protanomaly

45.4928, 40.2868, 99.9861



Deuteranomaly

44.9882, 40.3425, 97.5112

Tritanomaly

45.0246, 40.3289, 63.8037

Monochromacy



Original Color

52.1931, 40.5419, 99.6822



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

44.1214, 41.4602, 62.8039

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1931, 40.5419, 99.6822 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(199, 148, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 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(199, 148, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 148, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.1931, 40.5419, 99.6822 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(199, 148, 255) }
```


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

```
.border{ border-color:rgb(199, 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(199, 148, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 148, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 148, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 148,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1931, 40.5419, 99.6822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 148, 255) }
```

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

```
.background{ background-color: rgb(199,  
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](#).

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