

Converting Colors

XYZ(42.4075, 33.8345,
107.0598)

Have a look what the booklet for
XYZ(42.4075, 33.8345, 107.0598)
contains.

XYZ(40.7117, 33.0421, 98.8398)	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(40.7117, 33.0421,
98.8398)**

Conversions

Conversions Part 1

Format	Color
Hex	998DFF
RGB	153, 141, 255
RGB Percent	60%, 55%, 100%
CMY	0.4000, 0.4470, 0.0000
CMYK	0.40, 0.45, 0.00, 0.00
HSL	246°, 100%, 78%
HSV	246°, 45%, 100%
XYZ	40.7117, 33.0421, 98.8398
YIQ	157.5840, -29.4420, 37.9980

Conversions

Conversions Part 2

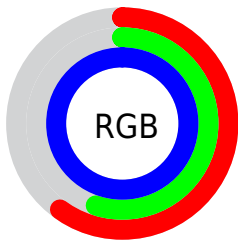
Format	Color
R_{YB}	153, 141, 255
Decimal	10063359
CIE _{Lab}	64.19, 31.24, -55.38
CIE _{LCh}	64, 63.585, 299.422
Yxy	33.0421, 0.2359, 0.1914
Android (android.graphics.Color)	4288253439 (0xFF998DFF)
YUV	157.5840, 48.0261, -4.0202
Hunter-Lab	57.4823, 25.8283, -61.7106

Details

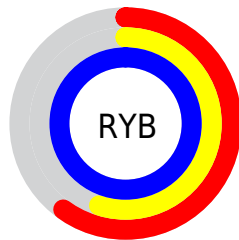
The XYZ color **40.7117, 33.0421, 98.8398** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **77.5296, 92.4976, 38.9679**, and the grayscale version is **32.1116, 33.7839, 36.7907**.

A 20% lighter version of the original color is **64.4291, 60.0991, 102.8122**, and **18.7580, 14.0462, 55.1486** is the 20% darker color. If you saturate the color by 10%, you get **33.4731, 24.3572, 97.5449**, and if you desaturate by 10%, it is **49.6415, 43.8846, 100.4619**.

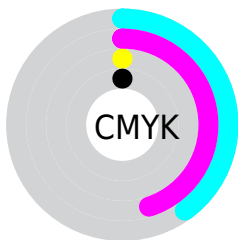
Distribution



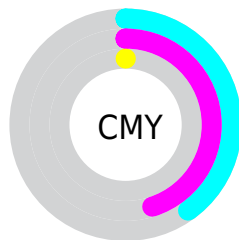
- Red (60%)
- Green (55%)
- Blue (100%)



- Red (60%)
- Yellow (55%)
- Blue (100%)



- Cyan (40%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7117, 33.0421, 98.8398 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 40.7117, 33.0421, 98.8398 by changing the saturation by 10% instead.

40.7117, 33.0421,
98.8398

40.7117, 33.0421,
98.8398

340.1974,
315.8394, 577.6814

28.2806, 22.1587,
74.7205

75.5235, 64.4413,
161.5998

18.6788, 13.9736,
54.8836

98.6349, 85.7258,
201.0776

11.5410, 8.1023,
38.9105

126.0371,
111.2462, 246.5120

6.5019, 4.1605,
26.3828

158.0955,
141.3868, 298.3215

3.1962, 1.7637,
16.8819

195.1753,
176.5320, 356.9246

1.2583, 0.4644,
9.9893

237.6420,

0.1517, 0.0000,

217.0663, 422.7400

5.2863

285.8609,
263.3739, 496.1860

■ 0.0000, 0.0000,
2.3546

■ 0.0000, 0.0000,
0.7615

■ 40.7117, 33.0421,
98.8398

■ 40.7117, 33.0421,
98.8398

■ 33.4731, 24.3572,
97.5449

■ 49.6415, 43.8846,
100.4619

■ 27.8148, 17.6818,
96.5547

■ 60.3566, 57.0127,
102.4311

■ 23.6181, 12.8544,
95.8441

■ 72.9487, 72.5482,
104.7661

■ 20.7461, 9.6870,
95.3841

■ 87.5019, 90.6034,
107.4841

■ 19.0344, 7.9508,
95.1392

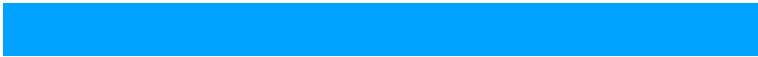
95.0500, 100.0000,
108.9000

■ 18.4979, 7.4509,
95.0710

Harmonies

Analogous

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



31.2311, 33.0421, 111.9310



40.7117, 33.0421, 98.8398



48.8142, 33.0421, 67.5944

Triad

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



40.7117, 33.0421, 98.8398



41.0727, 33.0421, 7.9307



17.0677, 33.0421, 35.4790

Complementary

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



40.7117, 33.0421, 98.8398



77.5296, 92.4976, 38.9679

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.



18.7229, 33.0421, 16.1739



40.7117, 33.0421, 98.8398



31.5806, 33.0421, 5.6699

Square

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



40.7117, 33.0421, 98.8398



49.0491, 33.0421, 16.6881



23.6380, 33.0421, 7.7494



18.5993, 33.0421, 66.2828

Rectangle

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



40.7117, 33.0421, 98.8398



51.7083, 33.0421, 45.8796



23.6380, 33.0421, 7.7494



17.2639, 33.0421, 27.6133

Sweetspot

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



40.7129, 33.0432, 98.8399



75.2889, 75.4451, 105.2020



61.2655, 77.3440, 106.3076



15.4688, 15.3486, 22.3972



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.



40.7129, 33.0432, 98.8399



33.9303, 24.9018, 97.6259



53.9834, 39.8844, 99.4610



17.1804, 17.4692, 22.7163



9.7227, 3.9227, 49.6793



1.0023, 0.4106, 4.8397

Inverse Universe

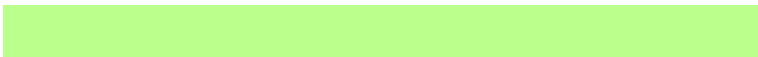
The Inverse Universe completely reimagines the original color for something new.



66.9427, 46.7815, 90.2944



63.4394, 40.3738, 87.2800



60.9641, 83.9578, 38.1927



18.7054, 18.2655, 22.3318



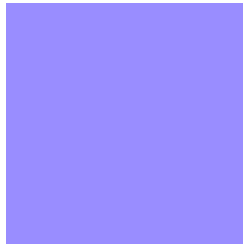
28.9105, 14.0535, 39.7748



2.8376, 1.3774, 3.9923

Previews

White Background



This preview shows how the XYZ color 40.7117, 33.0421, 98.8398 looks on a white background.

Color Contrast Check

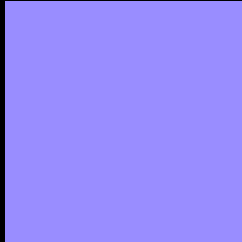
Large Text (above 18pt) WCAG AA × Fail

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 40.7117, 33.0421, 98.8398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

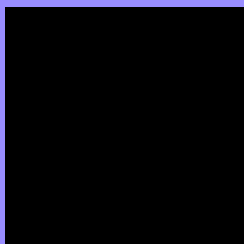
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.7117, 33.0421, 98.8398

Background



This preview shows how black text looks on a background with the XYZ color 40.7117, 33.0421, 98.8398.



This preview shows how white text looks on a background with the XYZ color 40.7117, 33.0421,

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

40.7117, 33.0421, 98.8398

Protanopia

36.0883, 33.1872, 99.1115

Deuteranopia

34.3889, 33.3466, 96.7195



Tritanopia

29.6901, 33.1067, 43.8551

Trichromacy



Original Color

40.7117, 33.0421, 98.8398

Protanomaly

37.5420, 32.9890, 98.9966

Deuteranomaly

36.1323, 33.0070, 97.3951

Tritanomaly

32.8671, 32.6222, 60.4415

Monochromacy



Original Color

40.7117, 33.0421, 98.8398

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

34.5642, 33.3746, 55.0723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7117, 33.0421, 98.8398 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(153, 141, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 141, 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(153, 141, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 141, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.7117, 33.0421, 98.8398 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(153, 141, 255) }
```


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

```
.border{ border-color:rgb(153, 141, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 141, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 141, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 141, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 141,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7117, 33.0421, 98.8398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 141, 255) }
```

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

```
.background{ background-color: rgb(153,  
141, 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