

Converting Colors

XYZ(40.0923, 29.0542, 98.1027)

Have a look what the booklet for
XYZ(40.0923, 29.0542, 98.1027)
contains.

XYZ(40.0333, 29.0673, 98.1083)	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(40.0333, 29.0673,
98.1083)**

Conversions

Conversions Part 1

Format	Color
Hex	A27BFF
RGB	162, 123, 255
RGB Percent	64%, 48%, 100%
CMY	0.3647, 0.5176, 0.0000
CMYK	0.36, 0.52, 0.00, 0.00
HSL	258°, 100%, 74%
HSV	258°, 52%, 100%
XYZ	40.0333, 29.0673, 98.1083
YIQ	149.7090, -19.1280, 49.3200

Conversions

Conversions Part 2

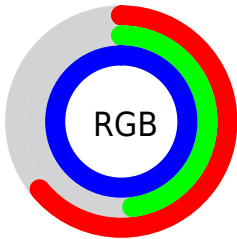
Format	Color
RYB	162, 123, 255
Decimal	10648575
CIELab	60.84, 43.59, -60.69
CIELCh	61, 74.719, 305.687
Yxy	29.0673, 0.2394, 0.1738
Android (android.graphics.Color)	4288838655 (0xFFA27BFF)
YUV	149.7090, 51.9085, 10.7792
Hunter-Lab	53.9141, 38.1935, -70.1510

Details

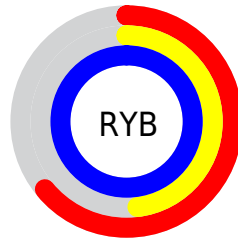
The XYZ color **40.0333, 29.0673, 98.1083** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **67.6535, 87.5487, 32.0725**, and the grayscale version is **28.6604, 30.1530, 32.8366**.

A 20% lighter version of the original color is **63.0905, 53.4863, 101.6064**, and **18.2863, 11.7996, 54.1371** is the 20% darker color. If you saturate the color by 10%, you get **33.8797, 21.7953, 97.0290**, and if you desaturate by 10%, it is **47.5342, 38.2574, 99.4868**.

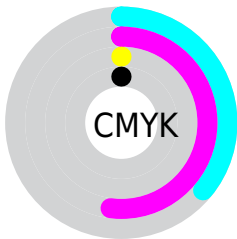
Distribution



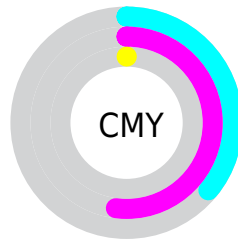
- Red (64%)
- Green (48%)
- Blue (100%)



- Red (64%)
- Yellow (48%)
- Blue (100%)



- Cyan (36%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0333, 29.0673, 98.1083 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 40.0333, 29.0673, 98.1083 by changing the saturation by 10% instead.

40.0333, 29.0673,
98.1083

40.0333, 29.0673,
98.1083

337.3959,
297.5324, 575.3053

27.7488, 19.1317,
74.1136

74.4982, 58.1840,
160.5842

18.2759, 11.7655,
54.3897

97.4094, 78.1339,
199.9026

11.2491, 6.5842,
38.5180

124.5936,
102.1908, 245.1658

6.3032, 3.2035,
26.0800

156.4160,
130.7389, 296.7926

3.0727, 1.2389,
16.6572

193.2421,
164.1627, 355.2014

1.1923, 0.0931,
9.8310

235.4372,

0.1003, 0.0000,

202.8467, 420.8107

5.1829

283.3667,
247.1751, 494.0392

■ 0.0000, 0.0000,
2.2944

■ 0.0000, 0.0000,
0.7281

■ 40.0333, 29.0673,
98.1083

■ 40.0333, 29.0673,
98.1083

■ 33.8797, 21.7953,
97.0290

■ 47.5342, 38.2574,
99.4868

■ 28.9826, 16.2962,
96.2257

■ 56.4581, 49.4899,
101.1846

■ 25.2443, 12.4084,
95.6723

■ 66.8787, 62.8821,
103.2203

■ 22.5486, 9.9372,
95.3374

■ 78.8634, 78.5413,
105.6112

■ 20.9788, 8.7299,
95.1871

■ 92.4756, 96.5676,
108.3732

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



29.5220, 29.0673, 120.4328



40.0333, 29.0673, 98.1083



48.4100, 29.0673, 59.2128

Triad

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



40.0333, 29.0673, 98.1083



36.0631, 29.0673, 3.6340



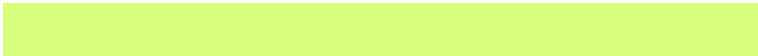
12.8860, 29.0673, 37.2574

Complementary

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



40.0333, 29.0673, 98.1083



67.6535, 87.5487, 32.0725

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.



13.8512, 29.0673, 14.3251



40.0333, 29.0673, 98.1083



25.8160, 29.0673, 2.6739

Square

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



40.0333, 29.0673, 98.1083



45.7669, 29.0673, 9.5617



18.0927, 29.0673, 5.0371



15.0536, 29.0673, 74.2914

Rectangle

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



40.0333, 29.0673, 98.1083



50.7811, 29.0673, 35.8501



18.0927, 29.0673, 5.0371



12.8625, 29.0673, 27.7902

Sweetspot

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



40.0344, 29.0683, 98.1084



73.5914, 71.6245, 104.5540



51.1866, 61.3670, 103.7549



15.2255, 14.6435, 22.2740



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.



40.0344, 29.0683, 98.1084



33.7499, 21.6456, 97.0069



56.6230, 37.6200, 98.8848



17.5074, 17.6378, 22.7316



11.0910, 4.6281, 49.7433



1.1837, 0.5041, 4.8482

Inverse Universe

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



60.7176, 40.3842, 69.5589



56.9257, 34.3590, 63.4902



52.2097, 79.5871, 31.3497



18.5505, 18.2035, 21.5162



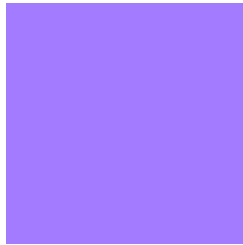
25.9037, 12.8508, 23.9410



2.5701, 1.2704, 2.5836

Previews

White Background



This preview shows how the XYZ color 40.0333, 29.0673, 98.1083 looks on a white background.

Color Contrast Check

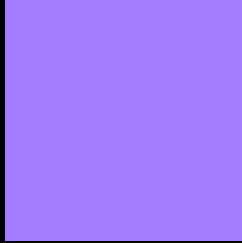
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.0333, 29.0673, 98.1083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

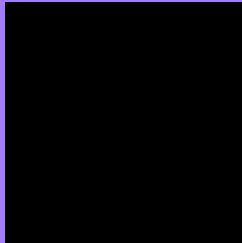
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.0333, 29.0673, 98.1083

Background



This preview shows how black text looks on a background with the XYZ color 40.0333, 29.0673, 98.1083.



This preview shows how white text looks on a background with the XYZ color 40.0333, 29.0673,

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

40.0333, 29.0673, 98.1083

Protanopia

32.6963, 29.3517, 98.5499

Deuteranopia

30.5177, 29.4597, 94.5203



Tritanopia

27.5898, 28.9988, 36.4909

Trichromacy



Original Color

40.0333, 29.0673, 98.1083

Protanomaly

34.5999, 28.8214, 98.3472

Deuteranomaly

32.6290, 28.4968, 95.8762

Tritanomaly

31.1085, 28.4168, 54.2975

Monochromacy



Original Color

40.0333, 29.0673, 98.1083

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

31.7816, 29.2570, 51.5491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0333, 29.0673, 98.1083 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(162, 123, 255)` looks like.

```
.text, #text, p{  
    color:rgb(162, 123, 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(162, 123, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 123, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.0333, 29.0673, 98.1083 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(162, 123, 255) }
```


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

```
.border{ border-color:rgb(162, 123, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 123, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 123, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 123, 255);  
box-shadow:4px 4px 4px 4px rgb(162, 123,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0333, 29.0673, 98.1083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 123, 255) }
```

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

```
.background{ background-color: rgb(162,  
123, 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