

Converting Colors

XYZ(40.4058, 39.4532, 78.9064)

Have a look what the booklet for
XYZ(40.4058, 39.4532, 78.9064)
contains.

XYZ(40.4023, 39.4532, 78.8846)	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(40.4023, 39.4532,
78.8846)**

Conversions

Conversions Part 1

Format	Color
Hex	97A6E4
RGB	151, 166, 228
RGB Percent	59%, 65%, 89%
CMY	0.4078, 0.3490, 0.1059
CMYK	0.34, 0.27, 0.00, 0.11
HSL	228°, 59%, 74%
HSV	228°, 34%, 89%
XYZ	40.4023, 39.4532, 78.8846
YIQ	168.5830, -28.8420, 16.1020

Conversions

Conversions Part 2

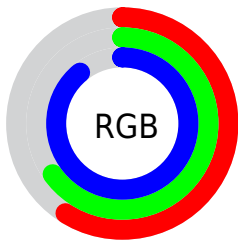
Format	Color
R_{YB}	151, 164, 228
Decimal	9938660
CIE _{Lab}	69.08, 9.23, -32.94
CIE _{LCh}	69, 34.210, 285.652
Yxy	39.4532, 0.2545, 0.2485
Android (android.graphics.Color)	4288128740 (0xFF97A6E4)
YUV	168.5830, 29.2926, -15.4203
Hunter-Lab	62.8118, 4.8956, -30.4934

Details

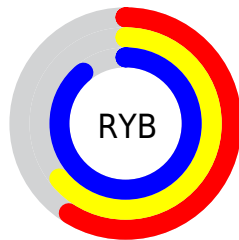
The XYZ color **40.4023, 39.4532, 78.8846** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **61.3759, 66.3176, 38.8453**, and the grayscale version is **37.3777, 39.3242, 42.8241**.

A 20% lighter version of the original color is **69.6386, 72.1983, 104.8731**, and **18.3935, 17.5546, 41.4487** is the 20% darker color. If you saturate the color by 10%, you get **33.4707, 31.2750, 77.6721**, and if you desaturate by 10%, it is **48.6312, 49.0090, 80.2960**.

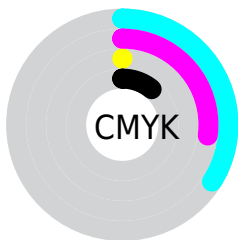
Distribution



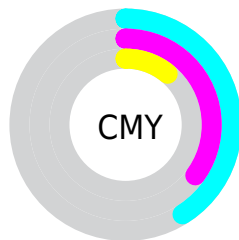
- Red (59%)
- Green (65%)
- Blue (89%)



- Red (59%)
- Yellow (64%)
- Blue (89%)



- Cyan (34%)
- Magenta (27%)
- Yellow (0%)
- Black (11%)



- Cyan (41%)
- Magenta (35%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4023, 39.4532, 78.8846 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 40.4023, 39.4532, 78.8846 by changing the saturation by 10% instead.

■ 40.4023, 39.4532,
78.8846

■ 40.4023, 39.4532,
78.8846

338.9217,
343.8135, 510.7732

■ 28.0380, 27.1125,
58.2802

■ 75.0562, 74.3301,
133.5936

■ 18.4949, 17.6577,
41.6177

■ 98.0764, 97.6351,
168.5352

■ 11.4077, 10.7045,
28.4788

125.3794,
125.3637, 209.0930

■ 6.4111, 5.8685,
18.4447

157.3303,
157.9002, 255.6855

■ 3.1396, 2.7653,
11.0970

194.2947,
195.6290, 308.7312

■ 1.2280, 1.0105,
6.0171

236.6378,

■ 0.1283, 0.0000,

238.9346, 368.6487

2.7865

284.7250,
288.2013, 435.8565

■ 0.0000, 0.0000,
0.9867

■ 0.0000, 0.0000,
0.0000

■ 40.4023, 39.4532,
78.8846

■ 40.4023, 39.4532,
78.8846

■ 33.4707, 31.2750,
77.6721

■ 48.6312, 49.0090,
80.2960

■ 27.7649, 24.4053,
76.6468

■ 58.2159, 59.9981,
81.9120

■ 23.2127, 18.7757,
75.8001

■ 69.2159, 72.4786,
83.7412

■ 19.7320, 14.3094,
75.1215

■ 81.6862, 86.5039,
85.7911

■ 17.2297, 10.9207,
74.5993

■ 91.0037, 98.3815,
87.5926

■ 15.5950, 8.5106,
74.2203

■ 14.9200, 7.4341,
74.0481

Harmonies

Analogous

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



34.9581, 39.4532, 79.1504



40.4023, 39.4532, 78.8846



45.5156, 39.4532, 67.5782

Triad

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



40.4023, 39.4532, 78.8846



45.3237, 39.4532, 24.8501



28.2231, 39.4532, 35.9319

Complementary

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



40.4023, 39.4532, 78.8846



61.3759, 66.3176, 38.8453

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.



30.4839, 39.4532, 25.1874



40.4023, 39.4532, 78.8846



40.1603, 39.4532, 19.9233

Square

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



40.4023, 39.4532, 78.8846



48.5394, 39.4532, 35.3485



34.7384, 39.4532, 20.0296



28.2743, 39.4532, 51.5875

Rectangle

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



40.4023, 39.4532, 78.8846



47.8958, 39.4532, 56.5787



34.7384, 39.4532, 20.0296



28.7275, 39.4532, 31.7198

Sweetspot

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



40.4036, 39.4547, 78.8855



80.0790, 83.0727, 106.4218



52.4665, 66.8508, 72.8241



16.7224, 17.3060, 22.7090



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.



40.4036, 39.4547, 78.8855



45.2391, 42.8037, 100.4853



42.5493, 36.7462, 78.2496



13.8090, 14.3394, 18.1843



8.6806, 4.4233, 42.7794



0.7054, 0.4547, 3.1826

Inverse Universe

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



49.9456, 41.3817, 41.4330



59.5516, 46.1499, 44.2060



58.4796, 70.6870, 39.8413



14.4912, 14.4137, 15.5209



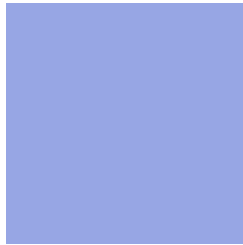
18.7751, 9.6442, 2.4445



1.4197, 0.7256, 0.3505

Previews

White Background



This preview shows how the XYZ color 40.4023, 39.4532, 78.8846 looks on a white background.

Color Contrast Check

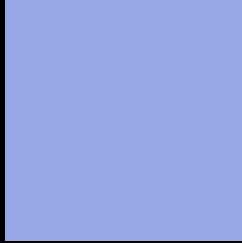
Large Text (above 18pt) WCAG AA × Fail

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 40.4023, 39.4532, 78.8846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

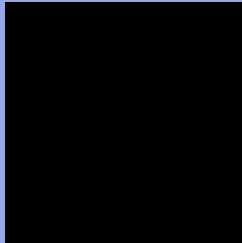
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.4023, 39.4532, 78.8846

Background



This preview shows how black text looks on a background with the XYZ color 40.4023, 39.4532, 78.8846.



This preview shows how white text looks on a background with the XYZ color 40.4023, 39.4532,

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

40.4023, 39.4532, 78.8846

Protanopia

40.2175, 39.3579, 78.8759

Deuteranopia

40.4023, 39.4532, 78.8846



Tritanopia

35.2610, 39.6107, 52.8009

Trichromacy



Original Color

40.4023, 39.4532, 78.8846

Protanomaly

40.2175, 39.3579, 78.8759

Deuteranomaly

40.4023, 39.4532, 78.8846

Tritanomaly

36.9006, 39.4098, 61.5391

Monochromacy



Original Color

40.4023, 39.4532, 78.8846

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

38.1972, 39.4044, 54.3078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4023, 39.4532, 78.8846 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(151, 166, 228)` looks like.

```
.text, #text, p{  
    color:rgb(151, 166, 228)  
}
```

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(151, 166, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 166, 228) }
```

Border

The CSS property to change the border of an element to XYZ 40.4023, 39.4532, 78.8846 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(151, 166, 228) }
```


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

```
.border{ border-color:rgb(151, 166, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 166, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 166, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 166, 228);  
box-shadow:4px 4px 4px 4px rgb(151, 166,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4023, 39.4532, 78.8846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 166, 228) }
```

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

```
.background{ background-color: rgb(151,  
166, 228) }
```

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