

Converting Colors

XYZ(40.4408, 36.4210, 99.5062)

Have a look what the booklet for
XYZ(40.4408, 36.4210, 99.5062)
contains.

XYZ(40.4197, 36.4002, 99.5033)	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(40.4197, 36.4002,
99.5033)**

Conversions

Conversions Part 1

Format	Color
Hex	8A9CFF
RGB	138, 156, 255
RGB Percent	54%, 61%, 100%
CMY	0.4588, 0.3882, 0.0000
CMYK	0.46, 0.39, 0.00, 0.00
HSL	231°, 100%, 77%
HSV	231°, 46%, 100%
XYZ	40.4197, 36.4002, 99.5033
YIQ	161.9040, -42.5070, 26.9730

Conversions

Conversions Part 2

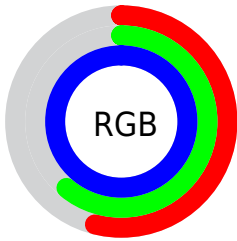
Format	Color
RYB	138, 154, 255
Decimal	9084159
CIELab	66.82, 19.00, -51.28
CIElCh	67, 54.689, 290.327
Yxy	36.4002, 0.2292, 0.2064
Android (android.graphics.Color)	4287274239 (0xFF8A9CFF)
YUV	161.9040, 45.8963, -20.9638
Hunter-Lab	60.3326, 14.0037, -55.5510

Details

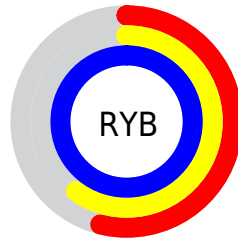
The XYZ color **40.4197, 36.4002, 99.5033** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **76.1129, 83.6653, 36.1842**, and the grayscale version is **34.1053, 35.8814, 39.0748**.

A 20% lighter version of the original color is **63.8615, 65.0489, 103.7976**, and **18.5529, 15.8858, 55.5145** is the 20% darker color. If you saturate the color by 10%, you get **33.3805, 27.8659, 98.2270**, and if you desaturate by 10%, it is **49.0948, 46.7338, 101.0407**.

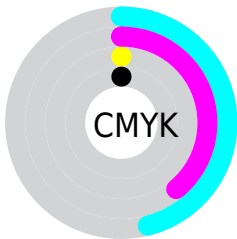
Distribution



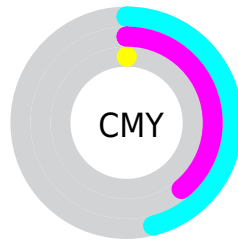
- Red (54%)
- Green (61%)
- Blue (100%)



- Red (54%)
- Yellow (60%)
- Blue (100%)



- Cyan (46%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)



- Cyan (46%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4197, 36.4002, 99.5033 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 40.4197, 36.4002, 99.5033 by changing the saturation by 10% instead.

■ 40.4197, 36.4002,
99.5033

■ 40.4197, 36.4002,
99.5033

338.9935,
330.7064, 579.8321

■ 28.0516, 24.7434,
75.2712

■ 75.0825, 69.6493,
162.5204

■ 18.5052, 15.8860,
55.3320

■ 98.1079, 92.0105,
202.1424

■ 11.4152, 9.4435,
39.2672

125.4164,
118.7085, 247.7315

■ 6.4162, 5.0316,
26.6583

157.3734,
150.1279, 299.7063

■ 3.1428, 2.2658,
17.0866

194.3443,
186.6530, 358.4851

■ 1.2297, 0.7555,
10.1336

236.6944,

■ 0.1296, 0.0000,

228.6681, 424.4867

5.3809

284.7890,
276.5578, 498.1295

■ 0.0000, 0.0000,
2.4098

■ 0.0000, 0.0000,
0.7918

■ 40.4197, 36.4002,
99.5033

■ 40.4197, 36.4002,
99.5033

■ 33.3805, 27.8659,
98.2270

■ 49.0948, 46.7338,
101.0407

■ 27.8691, 21.0227,
97.1967

■ 59.4972, 58.9587,
102.8521

■ 23.7699, 15.7566,
96.3963

■ 71.7157, 73.1651,
104.9502

■ 20.9487, 11.9371,
95.8077

■ 85.8320, 89.4363,
107.3468

■ 19.2432, 9.4112,
95.4100

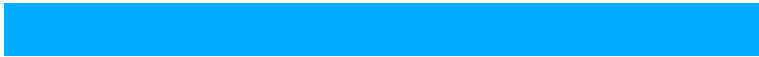
95.0500, 100.0000,
108.9000

■ 18.7830, 8.6859,
95.2943

Harmonies

Analogous

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



31.9940, 36.4002, 103.6008



40.4197, 36.4002, 99.5033



48.3350, 36.4002, 76.3900

Triad

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



40.4197, 36.4002, 99.5033



45.7727, 36.4002, 13.9011



21.1714, 36.4002, 32.4645

Complementary

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



40.4197, 36.4002, 99.5033



76.1129, 83.6653, 36.1842

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.



23.7455, 36.4002, 17.0918



40.4197, 36.4002, 99.5033



37.3381, 36.4002, 9.5593

Square

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



40.4197, 36.4002, 99.5033



51.7511, 36.4002, 25.8265



29.3627, 36.4002, 10.4326



21.7270, 36.4002, 57.6496

Rectangle

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



40.4197, 36.4002, 99.5033



51.8324, 36.4002, 57.0243



29.3627, 36.4002, 10.4326



21.6814, 36.4002, 26.1957

Sweetspot

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



40.4210, 36.4014, 99.5035



74.2227, 76.0645, 105.3777



61.3100, 82.9509, 91.7570



15.2722, 15.5701, 22.4504



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.



40.4210, 36.4014, 99.5035



33.9373, 28.5477, 98.3293



45.2715, 34.7460, 98.9283



17.2285, 17.8287, 22.7832



9.8812, 4.6720, 49.8156



1.0248, 0.5802, 4.8713

Inverse Universe

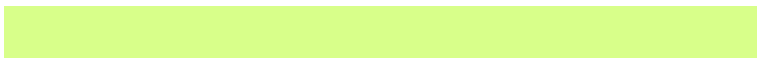
The Inverse Universe completely reimagines the original color for something new.



56.3302, 41.8389, 36.5603



51.8093, 35.2513, 27.4871



68.6673, 87.9543, 37.4045



18.1233, 18.0326, 19.2662



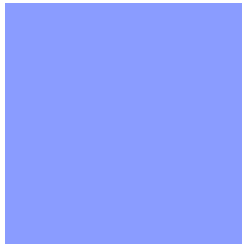
21.7758, 11.1996, 2.2038



2.1519, 1.1031, 0.3811

Previews

White Background



This preview shows how the XYZ color 40.4197, 36.4002, 99.5033 looks on a white background.

Color Contrast Check

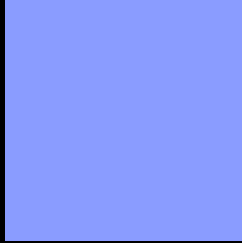
Large Text (above 18pt) WCAG AA × Fail

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 40.4197, 36.4002, 99.5033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

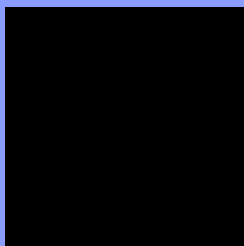
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.4197, 36.4002, 99.5033

Background



This preview shows how black text looks on a background with the XYZ color 40.4197, 36.4002, 99.5033.



This preview shows how white text looks on a background with the XYZ color 40.4197, 36.4002,

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

40.4197, 36.4002, 99.5033

Protanopia

39.0523, 36.4519, 99.5854

Deuteranopia

37.6198, 36.5071, 98.8297



Tritanopia

30.7911, 36.4802, 51.3175

Trichromacy



Original Color

40.4197, 36.4002, 99.5033

Protanomaly

39.4828, 36.4195, 99.5564

Deuteranomaly

38.4862, 36.4349, 98.7701

Tritanomaly

33.7265, 36.2856, 66.1990

Monochromacy



Original Color

40.4197, 36.4002, 99.5033

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

35.6715, 35.8994, 57.2737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4197, 36.4002, 99.5033 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(138, 156, 255)` looks like.

```
.text, #text, p{  
    color:rgb(138, 156, 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(138, 156, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 156, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.4197, 36.4002, 99.5033 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(138, 156, 255) }
```


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

```
.border{ border-color:rgb(138, 156, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 156, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 156, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 156, 255);  
box-shadow:4px 4px 4px 4px rgb(138, 156,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4197, 36.4002, 99.5033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 156, 255) }
```

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

```
.background{ background-color: rgb(138,  
156, 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