

Converting Colors

XYZ(40.7412, 35.0394, 99.2237)

Have a look what the booklet for
XYZ(40.7412, 35.0394, 99.2237)
contains.

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Color

**XYZ(40.8104, 35.1437,
99.2402)**

Conversions

Conversions Part 1

Format	Color
Hex	9296FF
RGB	146, 150, 255
RGB Percent	57%, 59%, 100%
CMY	0.4274, 0.4118, 0.0000
CMYK	0.43, 0.41, 0.00, 0.00
HSL	238°, 100%, 79%
HSV	238°, 43%, 100%
XYZ	40.8104, 35.1437, 99.2402
YIQ	160.7740, -36.0890, 31.8070

Conversions

Conversions Part 2

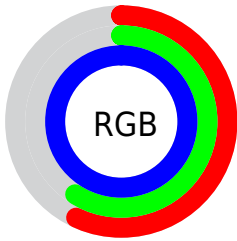
Format	Color
RYB	146, 150, 255
Decimal	9606911
CIELab	65.86, 24.36, -52.77
CIELCh	66, 58.125, 294.779
Yxy	35.1437, 0.2329, 0.2006
Android (android.graphics.Color)	4287796991 (0xFF9296FF)
YUV	160.7740, 46.4534, -12.9568
Hunter-Lab	59.2821, 19.1375, -57.7559

Details

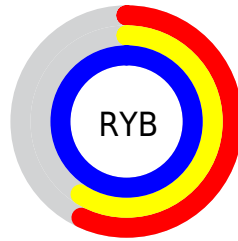
The XYZ color **40.8104, 35.1437, 99.2402** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **80.9266, 92.3313, 40.7525**, and the grayscale version is **33.5760, 35.3246, 38.4685**.

A 20% lighter version of the original color is **64.5447, 63.2431, 103.4130**, and **18.7747, 15.1247, 55.3559** is the 20% darker color. If you saturate the color by 10%, you get **33.2551, 26.0276, 97.8788**, and if you desaturate by 10%, it is **50.2006, 46.4264, 100.9231**.

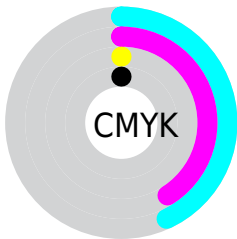
Distribution



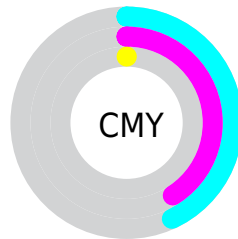
- Red (57%)
- Green (59%)
- Blue (100%)



- Red (57%)
- Yellow (59%)
- Blue (100%)



- Cyan (43%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)



- Cyan (43%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8104, 35.1437, 99.2402 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 40.8104, 35.1437, 99.2402 by changing the saturation by 10% instead.

■ 40.8104, 35.1437,
99.2402

■ 40.8104, 35.1437,
99.2402

340.6037,
325.2022, 578.9798

■ 28.3580, 23.7736,
75.0528

■ 75.6725, 67.7083,
162.1554

■ 18.7375, 15.1658,
55.1542

■ 98.8129, 89.6716,
201.7203

■ 11.5836, 8.9358,
39.1257

126.2467,
115.9348, 247.2481

■ 6.5310, 4.6993,
26.5490

158.3392,
146.8822, 299.1574

■ 3.2143, 2.0720,
17.0053

195.4558,
182.8982, 357.8666

■ 1.2681, 0.6488,
10.0763

237.9619,

■ 0.1591, 0.0000,

224.3673, 423.7944

5.3433

286.2227,
271.6738, 497.3593

■ 0.0000, 0.0000,
2.3878

■ 0.0000, 0.0000,
0.7798

■ 40.8104, 35.1437,
99.2402

■ 40.8104, 35.1437,
99.2402

■ 33.2551, 26.0276,
97.8788

■ 50.2006, 46.4264,
100.9231

■ 27.4112, 18.9359,
96.8180

■ 61.5310, 59.9985,
102.9456

■ 23.1459, 13.7152,
96.0351

■ 74.9032, 75.9778,
105.3251

■ 20.3055, 10.1887,
95.5041

■ 90.4109, 94.4729,
108.0777

■ 18.7050, 8.1456,
95.1941

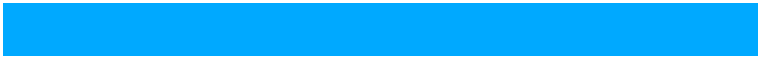
95.0500, 100.0000,
108.9000

■ 18.1515, 7.4230,
95.0838

Harmonies

Analogous

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



31.9233, 35.1437, 107.2949



40.8104, 35.1437, 99.2402



48.7850, 35.1437, 72.5206

Triad

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



40.8104, 35.1437, 99.2402



43.8567, 35.1437, 11.1802



19.5132, 35.1437, 34.1226

Complementary

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



40.8104, 35.1437, 99.2402



80.9266, 92.3313, 40.7525

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.



21.6508, 35.1437, 16.9628



40.8104, 35.1437, 99.2402



34.9278, 35.1437, 7.8540

Square

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



40.8104, 35.1437, 99.2402



50.7444, 35.1437, 21.6743



26.9510, 35.1437, 9.3909



20.5451, 35.1437, 61.6970

Rectangle

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



40.8104, 35.1437, 99.2402



51.9977, 35.1437, 52.0682



26.9510, 35.1437, 9.3909



19.8722, 35.1437, 27.1469

Sweetspot

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



40.8116, 35.1449, 99.2404



74.5336, 75.5365, 105.2594



64.7998, 84.5054, 102.9690



15.2854, 15.3705, 22.4111



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.



40.8116, 35.1449, 99.2404



34.4456, 27.4671, 98.0939



50.8489, 39.3883, 99.5304



17.0564, 17.4845, 22.7258



9.5077, 3.9249, 49.6911



0.9437, 0.4181, 4.8442

Inverse Universe

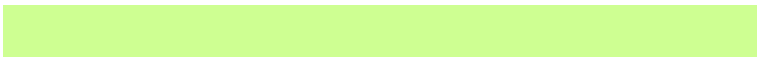
The Inverse Universe completely reimagines the original color for something new.



57.0248, 44.0213, 34.3466



52.5778, 37.5188, 25.4914



66.3890, 86.7104, 40.4338



18.0364, 17.9979, 18.8087



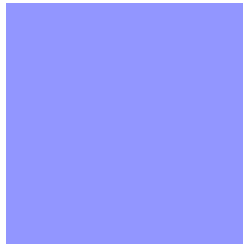
21.5872, 11.1242, 1.2108



2.1109, 1.0867, 0.1656

Previews

White Background



This preview shows how the XYZ color 40.8104, 35.1437, 99.2402 looks on a white background.

Color Contrast Check

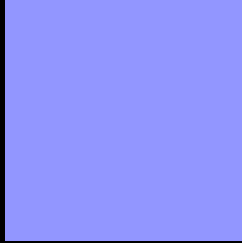
Large Text (above 18pt) WCAG AA × Fail

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 40.8104, 35.1437, 99.2402 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 40.8104, 35.1437, 99.2402

Background



This preview shows how black text looks on a background with the XYZ color 40.8104, 35.1437, 99.2402.



This preview shows how white text looks on a background with the XYZ color 40.8104, 35.1437,

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

40.8104, 35.1437, 99.2402

Protanopia

38.1330, 35.4715, 99.4446

Deuteranopia

36.4848, 35.4216, 97.8426



Tritanopia

30.4786, 35.0033, 48.3299

Trichromacy



Original Color

40.8104, 35.1437, 99.2402

Protanomaly

38.9657, 35.1565, 99.3399

Deuteranomaly

37.8039, 35.0703, 98.5427

Tritanomaly

33.5062, 34.6332, 63.9504

Monochromacy



Original Color

40.8104, 35.1437, 99.2402

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

35.6176, 35.1220, 56.5317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8104, 35.1437, 99.2402 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(146, 150, 255)` looks like.

```
.text, #text, p{  
    color:rgb(146, 150, 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(146, 150, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 150, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.8104, 35.1437, 99.2402 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(146, 150, 255) }
```


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

```
.border{ border-color:rgb(146, 150, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 150, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 150, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 150, 255);  
box-shadow:4px 4px 4px 4px rgb(146, 150,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8104, 35.1437, 99.2402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 150, 255) }
```

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

```
.background{ background-color: rgb(146,  
150, 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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