

Converting Colors

XYZ(40.0156, 37.7422, 98.9419)

Have a look what the booklet for
XYZ(40.0156, 37.7422, 98.9419)
contains.

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Color

**XYZ(40.0156, 37.7422,
98.9419)**

Conversions

Conversions Part 1

Format	Color
Hex	82A2FE
RGB	130, 162, 254
RGB Percent	51%, 64%, 100%
CMY	0.4902, 0.3647, 0.0039
CMYK	0.49, 0.36, 0.00, 0.00
HSL	225°, 98%, 75%
HSV	225°, 49%, 100%
XYZ	40.0156, 37.7422, 98.9419
YIQ	162.9200, -48.6040, 21.8280

Conversions

Conversions Part 2

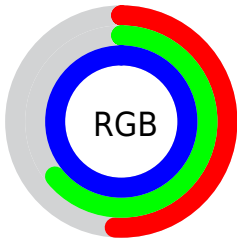
Format	Color
R _Y B	130, 155, 254
Decimal	8561406
CIE Lab	67.83, 13.41, -49.18
CIE LCh	68, 50.978, 285.247
Yxy	37.7422, 0.2265, 0.2136
Android (android.graphics.Color)	4286751486 (0xFF82A2FE)
YUV	162.9200, 44.9024, -28.8708
Hunter-Lab	61.4347, 8.7556, -52.4836

Details

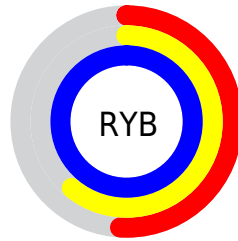
The XYZ color **40.0156, 37.7422, 98.9419** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **71.0254, 74.9276, 31.8400**, and the grayscale version is **34.5876, 36.3889, 39.6275**.

A 20% lighter version of the original color is **63.6019, 67.5371, 104.2915**, and **18.2883, 16.7022, 55.0833** is the 20% darker color. If you saturate the color by 10%, you get **33.5150, 29.8272, 97.7575**, and if you desaturate by 10%, it is **47.9780, 47.1505, 100.3390**.

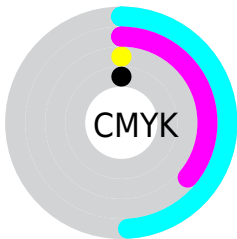
Distribution



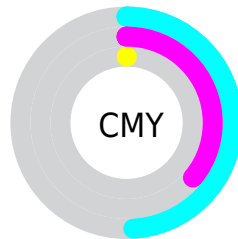
- Red (51%)
- Green (64%)
- Blue (100%)



- Red (51%)
- Yellow (61%)
- Blue (100%)



- Cyan (49%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0156, 37.7422, 98.9419 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 40.0156, 37.7422, 98.9419 by changing the saturation by 10% instead.

■ 40.0156, 37.7422,
98.9419

■ 40.0156, 37.7422,
98.9419

337.3226,
336.5128, 578.0126

■ 27.7350, 25.7827,
74.8052

■ 74.4715, 71.7128,
161.7415

■ 18.2654, 16.6611,
54.9526

■ 97.3774, 94.4927,
201.2415

■ 11.2415, 9.9932,
38.9654

■ 124.5558,
121.6482, 246.6998

■ 6.2980, 5.3944,
26.4252

156.3721,
153.5636, 298.5347

■ 3.0695, 2.4805,
16.9134

193.1915,
190.6233, 357.1649

■ 1.1906, 0.8668,
10.0114

235.3795,

■ 0.0990, 0.0000,

233.2119, 423.0090

5.3008

283.3014,
281.7136, 496.4853

■ 0.0000, 0.0000,
2.3630

■ 0.0000, 0.0000,
0.7662

■ 40.0156, 37.7422,
98.9419

■ 40.0156, 37.7422,
98.9419

■ 33.5150, 29.8272,
97.7575

■ 47.9780, 47.1505,
100.3390

■ 28.3778, 23.3203,
96.7723

■ 57.4834, 58.1228,
101.9559

■ 24.4995, 18.1329,
95.9755

■ 68.6118, 70.7300,
103.8028

■ 21.7571, 14.1634,
95.3538

■ 81.4362, 85.0372,
105.8884

■ 19.9806, 11.2822,
94.8913

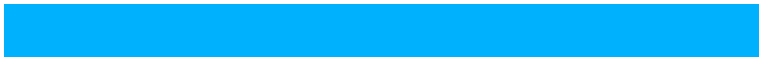
94.8895, 99.9358,
108.0551

■ 19.8113, 10.9992,
94.8456

Harmonies

Analogous

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



32.1437, 37.7422, 99.1163



40.0156, 37.7422, 98.9419



47.7712, 37.7422, 79.9402

Triad

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



40.0156, 37.7422, 98.9419



47.6593, 37.7422, 17.3043



23.1025, 37.7422, 30.9866

Complementary

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



40.0156, 37.7422, 98.9419



71.0254, 74.9276, 31.8400

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.



26.1349, 37.7422, 17.4537



40.0156, 37.7422, 98.9419



39.8798, 37.7422, 11.7570

Square

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



40.0156, 37.7422, 98.9419



52.6056, 37.7422, 30.6876



32.0263, 37.7422, 11.7992



23.1278, 37.7422, 53.6234

Rectangle

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



40.0156, 37.7422, 98.9419



51.5026, 37.7422, 62.1224



32.0263, 37.7422, 11.7992



23.7760, 37.7422, 25.4447

Sweetspot

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



40.0170, 37.7435, 98.9428



73.9564, 76.6641, 105.5075



57.6914, 80.8475, 80.9260



15.2634, 15.7755, 22.4905



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.



40.0170, 37.7435, 98.9428



33.7016, 29.9533, 98.6130



40.1586, 30.4871, 97.5347



17.3840, 18.1396, 22.8350



10.5446, 5.9988, 50.0367



1.1103, 0.7514, 4.8998

Inverse Universe

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



55.3785, 39.6464, 38.9172



51.2321, 33.2662, 29.8559



70.5445, 88.5147, 34.4880



18.2017, 18.0640, 19.6794



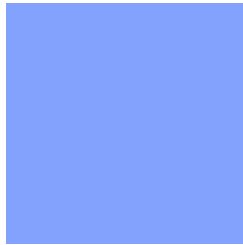
22.1106, 11.3335, 3.9670



2.1951, 1.1204, 0.6086

Previews

White Background



This preview shows how the XYZ color 40.0156, 37.7422, 98.9419 looks on a white background.

Color Contrast Check

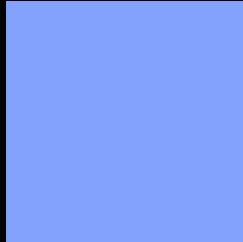
Large Text (above 18pt) WCAG AA × Fail

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 40.0156, 37.7422, 98.9419 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 40.0156, 37.7422, 98.9419

Background



This preview shows how black text looks on a background with the XYZ color 40.0156, 37.7422, 98.9419.



This preview shows how white text looks on a background with the XYZ color 40.0156, 37.7422,

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

40.0156, 37.7422, 98.9419

Protanopia

40.3254, 37.9020, 98.9564

Deuteranopia

38.7508, 37.6358, 98.1506



Tritanopia

30.9457, 37.6491, 53.7801

Trichromacy



Original Color

40.0156, 37.7422, 98.9419

Protanomaly

40.1698, 37.8217, 98.9491

Deuteranomaly

39.1390, 37.5713, 98.1176

Tritanomaly

33.7211, 37.3355, 68.3800

Monochromacy



Original Color

40.0156, 37.7422, 98.9419

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

35.8235, 36.7592, 57.4317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0156, 37.7422, 98.9419 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(130, 162, 254)` looks like.

```
.text, #text, p{  
    color:rgb(130, 162, 254)  
}
```

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(130, 162, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 162, 254) }
```

Border

The CSS property to change the border of an element to XYZ 40.0156, 37.7422, 98.9419 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(130, 162, 254) }
```


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

```
.border{ border-color:rgb(130, 162, 254) }
```

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

Here you see how a box with a 4 pixel rgb(130, 162, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 162, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 162, 254);  
box-shadow:4px 4px 4px 4px rgb(130, 162,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0156, 37.7422, 98.9419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 162, 254) }
```

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

```
.background{ background-color: rgb(130,  
162, 254) }
```

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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