

Converting Colors

XYZ(40.8046, 37.8590, 93.9395)

Have a look what the booklet for
XYZ(40.8046, 37.8590, 93.9395)
contains.

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Color

**XYZ(40.6694, 37.6697,
93.9344)**

Conversions

Conversions Part 1

Format	Color
Hex	8EA0F8
RGB	142, 160, 248
RGB Percent	56%, 63%, 97%
CMY	0.4431, 0.3725, 0.0274
CMYK	0.43, 0.35, 0.00, 0.03
HSL	230°, 88%, 76%
HSV	230°, 43%, 97%
XYZ	40.6694, 37.6697, 93.9344
YIQ	164.6500, -38.9760, 23.5520

Conversions

Conversions Part 2

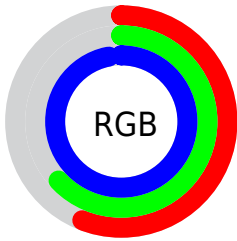
Format	Color
R _Y B	142, 157, 248
Decimal	9347320
CIE Lab	67.78, 15.67, -45.95
CIE LCh	68, 48.549, 288.827
Yxy	37.6697, 0.2361, 0.2187
Android (android.graphics.Color)	4287537400 (0xFF8EA0F8)
YUV	164.6500, 41.0916, -19.8640
Hunter-Lab	61.3756, 10.8722, -47.7794

Details

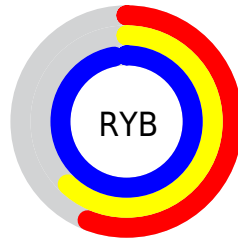
The XYZ color **40.6694, 37.6697, 93.9344** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **71.8922, 78.5050, 36.9569**, and the grayscale version is **35.4209, 37.2656, 40.5822**.

A 20% lighter version of the original color is **65.9036, 67.9630, 104.2524**, and **18.6189, 16.6302, 51.5188** is the 20% darker color. If you saturate the color by 10%, you get **33.5997, 29.1587, 92.6649**, and if you desaturate by 10%, it is **49.2795, 47.8535, 95.4470**.

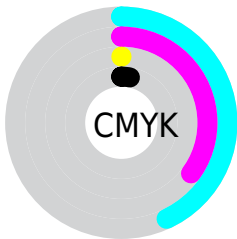
Distribution



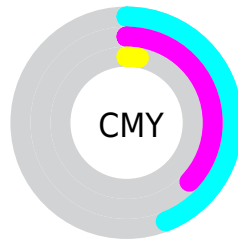
- Red (56%)
- Green (63%)
- Blue (97%)



- Red (56%)
- Yellow (62%)
- Blue (97%)



- Cyan (43%)
- Magenta (35%)
- Yellow (0%)
- Black (3%)



- Cyan (44%)
- Magenta (37%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6694, 37.6697, 93.9344 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 40.6694, 37.6697, 93.9344 by changing the saturation by 10% instead.

■ 40.6694, 37.6697,
93.9344

■ 40.6694, 37.6697,
93.9344

340.0232,
336.2009, 561.6449

■ 28.2474, 25.7264,
70.6564

■ 75.4597, 71.6016,
154.7745

■ 18.6536, 16.6191,
51.5817

■ 98.5586, 94.3590,
193.1737

■ 11.5228, 9.9633,
36.2919

125.9472,
121.4899, 237.4504

■ 6.4895, 5.3746,
24.3682

157.9909,
153.3788, 288.0231

■ 3.1884, 2.4687,
15.3923

195.0550,
190.4099, 345.3103

■ 1.2542, 0.8609,
8.9455

237.5049,

■ 0.1485, 0.0000,

232.9677, 409.7307

4.6093

285.7058,
281.4366, 481.7027

■ 0.0000, 0.0000,
1.9652

■ 0.0000, 0.0000,
0.5338

■ 40.6694, 37.6697,
93.9344

■ 40.6694, 37.6697,
93.9344

■ 33.5997, 29.1587,
92.6649

■ 49.2795, 47.8535,
95.4470

■ 27.9735, 22.2255,
91.6232

■ 59.5105, 59.7899,
97.2117

■ 23.6895, 16.7716,
90.7963

■ 71.4423, 73.5584,
99.2404

■ 20.6308, 12.6854,
90.1688

■ 85.1481, 89.2324,
101.5434

■ 18.6589, 9.8379,
89.7231

■ 93.9434, 99.5574,
103.0728

■ 17.7753, 8.4411,
89.5001

Harmonies

Analogous

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



33.0780, 37.6697, 96.4392



40.6694, 37.6697, 93.9344



47.8112, 37.6697, 74.7118

Triad

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



40.6694, 37.6697, 93.9344



46.1771, 37.6697, 17.0967



23.4231, 37.6697, 33.5128

Complementary

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



40.6694, 37.6697, 93.9344



71.8922, 78.5050, 36.9569

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.



25.9968, 37.6697, 19.3691



40.6694, 37.6697, 93.9344



38.6756, 37.6697, 12.3504

Square

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



40.6694, 37.6697, 93.9344



51.2853, 37.6697, 29.0644



31.3428, 37.6697, 13.0035



23.8012, 37.6697, 55.8629

Rectangle

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



40.6694, 37.6697, 93.9344



51.0288, 37.6697, 57.8402



31.3428, 37.6697, 13.0035



23.9555, 37.6697, 27.8184

Sweetspot

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



40.6708, 37.6711, 93.9353



75.7285, 77.9264, 105.6577



58.8064, 78.5196, 85.8694



15.5758, 15.9513, 22.5079



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.



40.6708, 37.6711, 93.9353



36.9389, 32.4537, 98.9250



44.4245, 35.3048, 93.2807



16.5212, 17.1192, 21.8189



9.6704, 4.6963, 48.3704



0.9605, 0.5647, 4.5016

Inverse Universe

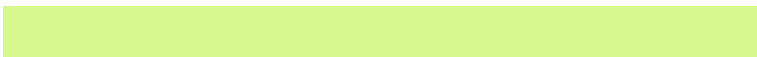
The Inverse Universe completely reimagines the original color for something new.



54.7308, 41.8422, 38.4506



53.8363, 38.0222, 32.1186



66.3093, 83.4502, 38.2056



17.3649, 17.2733, 18.5111



21.1732, 10.8850, 2.3545



1.9937, 1.0212, 0.3905

Previews

White Background



This preview shows how the XYZ color 40.6694, 37.6697, 93.9344 looks on a white background.

Color Contrast Check

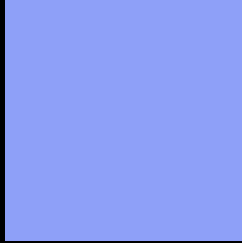
Large Text (above 18pt) WCAG AA × Fail

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 40.6694, 37.6697, 93.9344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

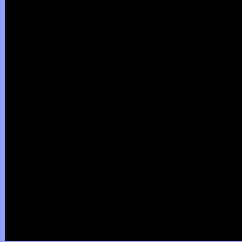
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.6694, 37.6697, 93.9344

Background



This preview shows how black text looks on a background with the XYZ color 40.6694, 37.6697, 93.9344.



This preview shows how white text looks on a background with the XYZ color 40.6694, 37.6697,

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

40.6694, 37.6697, 93.9344

Protanopia

40.0072, 37.8111, 95.6322

Deuteranopia

38.8164, 37.7783, 93.2418



Tritanopia

32.4107, 37.8679, 52.0554

Trichromacy



Original Color

40.6694, 37.6697, 93.9344

Protanomaly

40.1603, 37.6477, 94.7726

Deuteranomaly

39.4014, 37.8153, 93.2181

Tritanomaly

35.0270, 37.5142, 65.7165

Monochromacy



Original Color

40.6694, 37.6697, 93.9344

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.8521, 37.3026, 56.8876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6694, 37.6697, 93.9344 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(142, 160, 248)` looks like.

```
.text, #text, p{  
    color:rgb(142, 160, 248)  
}
```

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(142, 160, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 160, 248) }
```

Border

The CSS property to change the border of an element to XYZ 40.6694, 37.6697, 93.9344 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(142, 160, 248) }
```


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

```
.border{ border-color:rgb(142, 160, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 160, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 160, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 160, 248);  
box-shadow:4px 4px 4px 4px rgb(142, 160,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6694, 37.6697, 93.9344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 160, 248) }
```

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

```
.background{ background-color: rgb(142,  
160, 248) }
```

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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