

Converting Colors

XYZ(40.8700, 37.1423, 99.6228)

Have a look what the booklet for
XYZ(40.8700, 37.1423, 99.6228)
contains.

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Color

**XYZ(40.9243, 37.1627,
99.6239)**

Conversions

Conversions Part 1

Format	Color
Hex	8B9EFF
RGB	139, 158, 255
RGB Percent	55%, 62%, 100%
CMY	0.4549, 0.3804, 0.0000
CMYK	0.45, 0.38, 0.00, 0.00
HSL	230°, 100%, 77%
HSV	230°, 45%, 100%
XYZ	40.9243, 37.1627, 99.6239
YIQ	163.3770, -42.4610, 26.1390

Conversions

Conversions Part 2

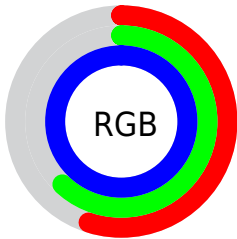
Format	Color
RYB	139, 155, 255
Decimal	9150207
CIELab	67.40, 18.08, -50.37
CIElCh	67, 53.518, 289.745
Yxy	37.1627, 0.2303, 0.2091
Android (android.graphics.Color)	4287340287 (0xFF8B9EFF)
YUV	163.3770, 45.1701, -21.3786
Hunter-Lab	60.9612, 13.1480, -54.2199

Details

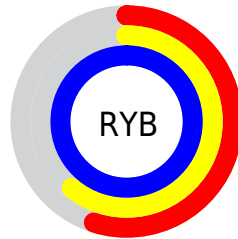
The XYZ color **40.9243, 37.1627, 99.6239** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **75.8967, 83.1166, 36.4709**, and the grayscale version is **34.7996, 36.6118, 39.8703**.

A 20% lighter version of the original color is **64.6194, 66.1773, 103.9754**, and **18.8441, 16.3419, 55.5872** is the 20% darker color. If you saturate the color by 10%, you get **33.8253, 28.5644, 98.3384**, and if you desaturate by 10%, it is **49.6498, 47.5374, 101.1666**.

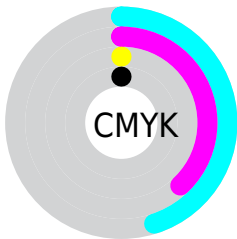
Distribution



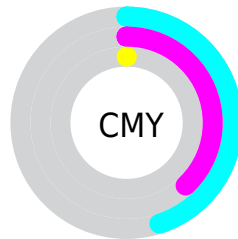
- Red (55%)
- Green (62%)
- Blue (100%)



- Red (55%)
- Yellow (61%)
- Blue (100%)



- Cyan (45%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (45%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9243, 37.1627, 99.6239 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 40.9243, 37.1627, 99.6239 by changing the saturation by 10% instead.

■ 40.9243, 37.1627,
99.6239

■ 40.9243, 37.1627,
99.6239

341.0721,
334.0144, 580.2226

■ 28.4473, 25.3335,
75.3713

■ 75.8444, 70.8229,
162.6876

■ 18.8053, 16.3257,
55.4136

■ 99.0183, 93.4228,
202.3358

■ 11.6329, 9.7549,
39.3321

126.4885,
120.3816, 247.9530

■ 6.5646, 5.2368,
26.7084

158.6204,
152.0838, 299.9578

■ 3.2352, 2.3868,
17.1238

195.7793,
188.9138, 358.7685

■ 1.2793, 0.8191,
10.1599

238.3307,

■ 0.1677, 0.0000,

231.2559, 424.8039

5.3981

286.6399,
279.4947, 498.4824

■ 0.0000, 0.0000,
2.4199

■ 0.0000, 0.0000,
0.7973

■ 40.9243, 37.1627,
99.6239

■ 40.9243, 37.1627,
99.6239

■ 33.8253, 28.5644,
98.3384

■ 49.6498, 47.5374,
101.1666

■ 28.2463, 21.6376,
97.2955

■ 60.0915, 59.7780,
102.9789

■ 24.0739, 16.2716,
96.4796

■ 72.3371, 73.9721,
105.0732

■ 21.1765, 12.3402,
95.8735

■ 86.4669, 90.2008,
107.4609

■ 19.3955, 9.6960,
95.4570

95.0500, 100.0000,
108.9000

■ 18.8696, 8.8592,
95.3232

Harmonies

Analogous

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



32.5874, 37.1627, 103.1935



40.9243, 37.1627, 99.6239



48.7816, 37.1627, 77.2433

Triad

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



40.9243, 37.1627, 99.6239



46.5282, 37.1627, 14.8498



21.9614, 37.1627, 32.9419

Complementary

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



40.9243, 37.1627, 99.6239



75.8967, 83.1166, 36.4709

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.



24.5984, 37.1627, 17.7274



40.9243, 37.1627, 99.6239



38.2056, 37.1627, 10.2999

Square

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



40.9243, 37.1627, 99.6239



52.3480, 37.1627, 27.0388



30.2559, 37.1627, 11.0967



22.4572, 37.1627, 57.7275

Rectangle

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



40.9243, 37.1627, 99.6239



52.2857, 37.1627, 58.2070



30.2559, 37.1627, 11.0967



22.4927, 37.1627, 26.7515

Sweetspot

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



40.9256, 37.1640, 99.6241



74.3187, 76.2565, 105.4097



61.5003, 83.0462, 91.8919



15.2952, 15.6163, 22.4580



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.



40.9256, 37.1640, 99.6241



34.1357, 28.9446, 98.3955



45.5678, 35.1127, 98.9835



17.2433, 17.8582, 22.7881



9.9300, 4.7695, 49.8318



1.0317, 0.5940, 4.8736

Inverse Universe

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



56.6451, 42.1954, 37.5079



51.9095, 35.2914, 28.0146



68.8386, 88.0342, 37.7921



18.1307, 18.0356, 19.3054



21.8004, 11.2094, 2.3334



2.1553, 1.1045, 0.3995

Previews

White Background



This preview shows how the XYZ color 40.9243, 37.1627, 99.6239 looks on a white background.

Color Contrast Check

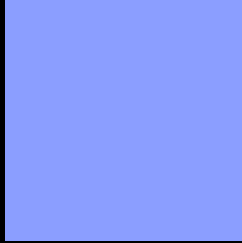
Large Text (above 18pt) WCAG AA × Fail

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 40.9243, 37.1627, 99.6239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

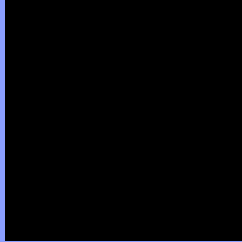
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.9243, 37.1627, 99.6239

Background



This preview shows how black text looks on a background with the XYZ color 40.9243, 37.1627, 99.6239.



This preview shows how white text looks on a background with the XYZ color 40.9243, 37.1627,

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

40.9243, 37.1627, 99.6239

Protanopia

39.8481, 37.3769, 99.7220

Deuteranopia

38.3227, 37.1321, 98.9133



Tritanopia

31.3612, 37.0433, 51.9515

Trichromacy



Original Color

40.9243, 37.1627, 99.6239

Protanomaly

40.2937, 37.3482, 99.6930

Deuteranomaly

39.0917, 37.0055, 98.8483

Tritanomaly

34.3290, 36.8526, 66.9320

Monochromacy



Original Color

40.9243, 37.1627, 99.6239

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

36.0351, 36.3453, 57.3406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9243, 37.1627, 99.6239 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(139, 158, 255)` looks like.

```
.text, #text, p{  
    color:rgb(139, 158, 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(139, 158, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 158, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.9243, 37.1627, 99.6239 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(139, 158, 255) }
```


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

```
.border{ border-color:rgb(139, 158, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 158, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 158, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 158, 255);  
box-shadow:4px 4px 4px 4px rgb(139, 158,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9243, 37.1627, 99.6239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 158, 255) }
```

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

```
.background{ background-color: rgb(139,  
158, 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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