

Converting Colors

XYZ(37.0586, 24.0726, 97.3010)

Have a look what the booklet for
XYZ(37.0586, 24.0726, 97.3010)
contains.

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Color

**XYZ(37.0994, 24.0937,
97.3029)**

Conversions

Conversions Part 1

Format	Color
Hex	9F66FF
RGB	159, 102, 255
RGB Percent	62%, 40%, 100%
CMY	0.3765, 0.6000, 0.0000
CMYK	0.38, 0.60, 0.00, 0.00
HSL	262°, 100%, 70%
HSV	262°, 60%, 100%
XYZ	37.0994, 24.0937, 97.3029
YIQ	136.4850, -15.1410, 59.6670

Conversions

Conversions Part 2

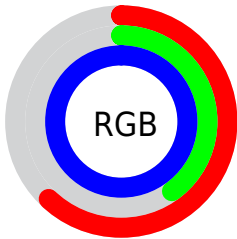
Format	Color
R_{YB}	159, 102, 255
Decimal	10446591
CIE _{Lab}	56.18, 54.28, -68.19
CIE _{LCh}	56, 87.159, 308.521
Yxy	24.0937, 0.2341, 0.1520
Android (android.graphics.Color)	4288636671 (0xFF9F66FF)
YUV	136.4850, 58.4279, 19.7457
Hunter-Lab	49.0853, 49.0135, -83.1721

Details

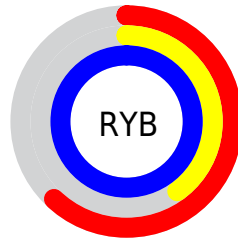
The XYZ color **37.0994, 24.0937, 97.3029** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **61.4466, 84.4849, 25.6396**, and the grayscale version is **23.3761, 24.5935, 26.7823**.

A 20% lighter version of the original color is **58.6848, 45.5681, 100.3102**, and **16.5174, 9.1082, 53.7108** is the 20% darker color. If you saturate the color by 10%, you get **31.9976, 18.2984, 96.4532**, and if you desaturate by 10%, it is **43.3844, 31.6431, 98.4289**.

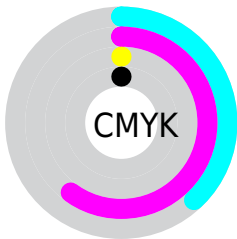
Distribution



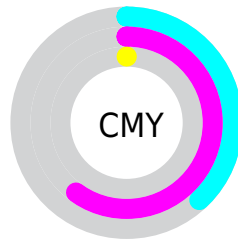
- Red (62%)
- Green (40%)
- Blue (100%)



- Red (62%)
- Yellow (40%)
- Blue (100%)



- Cyan (38%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0994, 24.0937, 97.3029 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 37.0994, 24.0937, 97.3029 by changing the saturation by 10% instead.

 37.0994, 24.0937,
97.3029


 37.0994, 24.0937,
97.3029


325.0887,
273.2939, 572.6831


 25.4585, 15.4031,
73.4457


 70.0385, 50.1831,
159.4652

 16.5495, 9.1028,
53.8465

 92.0674, 68.3507,
198.6074

 10.0071, 4.8083,
38.0866


 118.2896, 90.4460,
243.6816

 5.4660, 2.1352,
25.7475

 149.0706,
116.8536, 295.1065

 2.5607, 0.6843,
16.4108

184.7756,
147.9578, 353.3006

 0.9260, 0.0000,
9.6578

225.7701,

 0.0000, 0.0000,

184.1430, 418.6823

5.0701

272.4193,
225.7935, 491.6703

■ 0.0000, 0.0000,
2.2290

■ 0.0000, 0.0000,
0.6910

■ 37.0994, 24.0937,
97.3029

■ 37.0994, 24.0937,
97.3029

■ 31.9976, 18.2984,
96.4532

■ 43.3844, 31.6431,
98.4289

■ 27.9870, 14.1002,
95.8543

■ 50.9282, 41.0799,
99.8528

■ 24.9646, 11.3168,
95.4763

■ 59.8033, 52.5268,
101.5944

■ 22.7699, 9.6532,
95.2709

■ 70.0755, 66.0951,
103.6720

■ 22.7697, 9.6531,
95.2709

■ 81.8057, 81.8880,
106.1021

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



25.8719, 24.0937, 127.2153



37.0994, 24.0937, 97.3029



45.8838, 24.0937, 52.0346

Triad

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



37.0994, 24.0937, 97.3029



30.6951, 24.0937, 1.1084



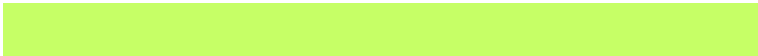
8.6531, 24.0937, 35.2774

Complementary

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



37.0994, 24.0937, 97.3029



61.4466, 84.4849, 25.6396

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.



9.2541, 24.0937, 10.7846



37.0994, 24.0937, 97.3029



20.1655, 24.0937, 0.7458

Square

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



37.0994, 24.0937, 97.3029



41.4993, 24.0937, 4.7022



12.8837, 24.0937, 2.4236



10.9019, 24.0937, 77.7113

Rectangle

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



37.0994, 24.0937, 97.3029



48.0306, 24.0937, 27.6828



12.8837, 24.0937, 2.4236



8.5459, 24.0937, 24.8365

Sweetspot

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



37.1004, 24.0945, 97.3030



72.3020, 69.0712, 104.1291



43.9303, 50.8461, 102.1066



14.7861, 13.8632, 22.1465



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.



37.1004, 24.0945, 97.3030



31.1108, 17.3359, 96.3142



56.9307, 34.3174, 98.2311



17.6423, 17.7073, 22.7380



12.0487, 5.1218, 49.7882



1.2891, 0.5585, 4.8531

Inverse Universe

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



56.1844, 34.8403, 57.1887



52.4453, 29.3881, 49.6961



46.2414, 76.6463, 24.9280



18.4888, 18.1788, 21.1913



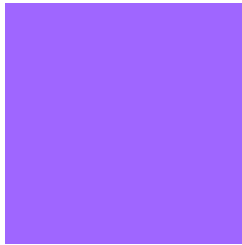
24.9388, 12.4648, 18.8598



2.4811, 1.2348, 2.1150

Previews

White Background



This preview shows how the XYZ color 37.0994, 24.0937, 97.3029 looks on a white background.

Color Contrast Check

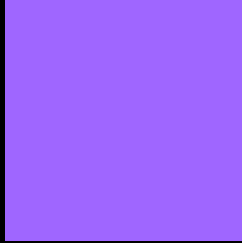
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.0994, 24.0937, 97.3029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

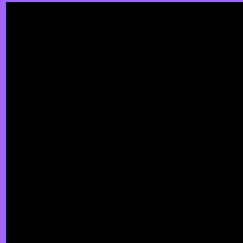
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.0994, 24.0937, 97.3029

Background



This preview shows how black text looks on a background with the XYZ color 37.0994, 24.0937, 97.3029.



This preview shows how white text looks on a background with the XYZ color 37.0994, 24.0937,

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

37.0994, 24.0937, 97.3029

Protanopia

28.2807, 24.5426, 97.8544

Deuteranopia

24.9727, 24.3021, 87.3790



Tritanopia

23.4132, 23.9396, 29.7723

Trichromacy



Original Color

37.0994, 24.0937, 97.3029



Protanomaly

29.9121, 23.3056, 97.5296



Deuteranomaly

25.7411, 22.0302, 90.8912



Tritanomaly

27.1129, 23.3091, 48.4175

Monochromacy



Original Color

37.0994, 24.0937, 97.3029



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

26.8459, 23.5993, 45.7880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0994, 24.0937, 97.3029 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(159, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(159, 102, 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(159, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 102, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.0994, 24.0937, 97.3029 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(159, 102, 255) }
```


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

```
.border{ border-color:rgb(159, 102, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(159, 102,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0994, 24.0937, 97.3029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 102, 255) }
```

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

```
.background{ background-color: rgb(159,  
102, 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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