

Converting Colors

XYZ(55.2315, 32.7325,
188.4625)

Have a look what the booklet for
XYZ(55.2315, 32.7325, 188.4625)
contains.

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Color

**XYZ(37.9240, 25.7428,
97.5778)**

Conversions

Conversions Part 1

Format	Color
Hex	9F6EFF
RGB	159, 110, 255
RGB Percent	62%, 43%, 100%
CMY	0.3765, 0.5686, 0.0000
CMYK	0.38, 0.57, 0.00, 0.00
HSL	260°, 100%, 72%
HSV	260°, 57%, 100%
XYZ	37.9240, 25.7428, 97.5778
YIQ	141.1810, -17.3410, 55.4830

Conversions

Conversions Part 2

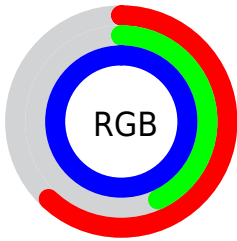
Format	Color
R_{YB}	159, 110, 255
Decimal	10448639
CIE _{Lab}	57.79, 50.03, -65.60
CIE _{LCh}	58, 82.496, 307.331
Yxy	25.7428, 0.2352, 0.1597
Android (android.graphics.Color)	4288638719 (0xFF9F6EFF)
YUV	141.1810, 56.1128, 15.6273
Hunter-Lab	50.7374, 44.6307, -78.5100

Details

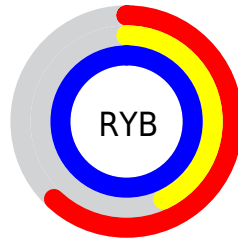
The XYZ color **37.9240, 25.7428, 97.5778** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **64.0276, 85.7673, 27.9326**, and the grayscale version is **25.1811, 26.4925, 28.8503**.

A 20% lighter version of the original color is **60.0606, 48.3198, 100.7689**, and **17.0088, 9.9258, 53.8427** is the 20% darker color. If you saturate the color by 10%, you get **32.4357, 19.4004, 96.6429**, and if you desaturate by 10%, it is **44.6630, 33.9052, 98.7981**.

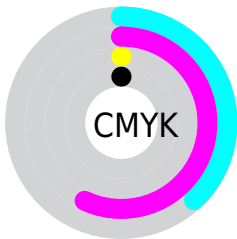
Distribution



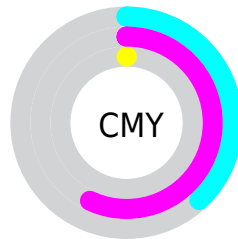
- Red (62%)
- Green (43%)
- Blue (100%)



- Red (62%)
- Yellow (43%)
- Blue (100%)



- Cyan (38%)
- Magenta (57%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (57%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9240, 25.7428, 97.5778 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 37.9240, 25.7428, 97.5778 by changing the saturation by 10% instead.

 37.9240, 25.7428,
97.5778


 37.9240, 25.7428,
97.5778

328.5803,
281.5172, 573.5788


 26.1007, 16.6313,
73.6736


 71.2963, 52.8597,
159.8472


 17.0320, 9.9720,
54.0318


 93.5759, 71.6340,
199.0496

 10.3528, 5.3804,
38.2337

 120.0717, 94.3979,
244.1885

 5.6975, 2.4721,
25.8609

 151.1490,
121.5360, 295.6823

 2.7009, 0.8626,
16.4948

187.1732,
153.4326, 353.9498

 0.9977, 0.0000,
9.7168

228.5095,

 0.0000, 0.0000,

190.4720, 419.4093

5.1085

275.5235,
233.0388, 492.4795

■ 0.0000, 0.0000,
2.2512

■ 0.0000, 0.0000,
0.7037

■ 37.9240, 25.7428,
97.5778

■ 37.9240, 25.7428,
97.5778

■ 32.4357, 19.4004,
96.6429

■ 44.6630, 33.9052,
98.7981

■ 28.1065, 14.7262,
95.9688

■ 52.7286, 44.0175,
100.3249

■ 24.8358, 11.5464,
95.5274

■ 62.1939, 56.2002,
102.1775

■ 22.4982, 9.6421,
95.2831

■ 73.1255, 70.5631,
104.3736

■ 21.9041, 9.2069,
95.2304

■ 85.5855, 87.2082,
106.9298

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.



26.9784, 25.7428, 124.3412



37.9240, 25.7428, 97.5778



46.5750, 25.7428, 54.7319

Triad

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



37.9240, 25.7428, 97.5778



32.5630, 25.7428, 1.8166



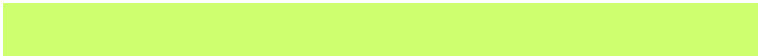
10.0261, 25.7428, 35.5786

Complementary

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



37.9240, 25.7428, 97.5778



64.0276, 85.7673, 27.9326

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.



10.7693, 25.7428, 11.8297



37.9240, 25.7428, 97.5778



22.1179, 25.7428, 1.2742

Square

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



37.9240, 25.7428, 97.5778



42.9424, 25.7428, 6.2623



14.6433, 25.7428, 3.1863



12.2370, 25.7428, 75.7994

Rectangle

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



37.9240, 25.7428, 97.5778



48.8379, 25.7428, 30.6457



14.6433, 25.7428, 3.1863



9.9518, 25.7428, 25.5667

Sweetspot

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



37.9250, 25.7436, 97.5779



72.9643, 70.3495, 104.3409



46.7130, 54.9997, 102.7617



15.1224, 14.4029, 22.2329



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.



37.9250, 25.7436, 97.5779



31.8863, 18.7873, 96.5535



56.5275, 35.3336, 98.4485



17.5815, 17.6760, 22.7351



11.5873, 4.8839, 49.7666



1.2392, 0.5328, 4.8508

Inverse Universe

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



57.9565, 36.8684, 62.4529



54.2366, 31.2382, 55.6342



48.4330, 77.7280, 27.2028



18.5165, 18.1899, 21.3368



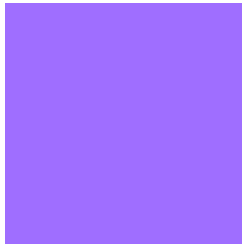
25.3546, 12.6311, 21.0498



2.5197, 1.2503, 2.3184

Previews

White Background



This preview shows how the XYZ color 37.9240, 25.7428, 97.5778 looks on a white background.

Color Contrast Check

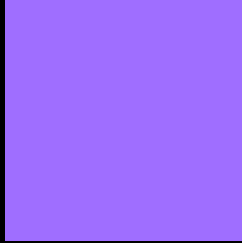
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.9240, 25.7428, 97.5778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

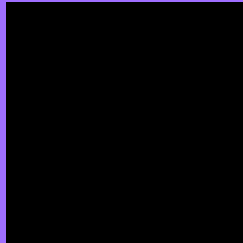
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.9240, 25.7428, 97.5778

Background



This preview shows how black text looks on a background with the XYZ color 37.9240, 25.7428, 97.5778.



This preview shows how white text looks on a background with the XYZ color 37.9240, 25.7428,

97.5778.

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

37.9240, 25.7428, 97.5778

Protanopia

29.6945, 26.0844, 98.0775

Deuteranopia

27.0036, 26.1031, 92.4221



Tritanopia

24.6666, 25.5811, 32.0713

Trichromacy



Original Color

37.9240, 25.7428, 97.5778



Protanomaly

31.4547, 25.2059, 97.8151



Deuteranomaly

28.4558, 24.5081, 94.4975



Tritanomaly

28.2979, 24.9985, 50.9107

Monochromacy



Original Color

37.9240, 25.7428, 97.5778



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

28.6389, 25.6386, 47.6953

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9240, 25.7428, 97.5778 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, 110, 255)` looks like.

```
.text, #text, p{  
    color:rgb(159, 110, 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, 110, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 110, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.9240, 25.7428, 97.5778 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, 110, 255) }
```


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

```
.border{ border-color:rgb(159, 110, 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, 110, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 110, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 110, 255);  
box-shadow:4px 4px 4px 4px rgb(159, 110,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9240, 25.7428, 97.5778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 110, 255) }
```

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

```
.background{ background-color: rgb(159,  
110, 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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