

Converting Colors

XYZ(42.3213, 37.7988, 94.0417)

Have a look what the booklet for
XYZ(42.3213, 37.7988, 94.0417)
contains.

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Color

**XYZ(42.3267, 37.7613,
93.8647)**

Conversions

Conversions Part 1

Format	Color
Hex	9A9DF8
RGB	154, 157, 248
RGB Percent	60%, 62%, 97%
CMY	0.3961, 0.3843, 0.0274
CMYK	0.38, 0.37, 0.00, 0.03
HSL	238°, 87%, 79%
HSV	238°, 38%, 97%
XYZ	42.3267, 37.7613, 93.8647
YIQ	166.4770, -30.9990, 27.6650

Conversions

Conversions Part 2

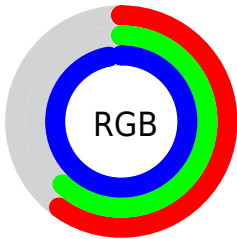
Format	Color
RYB	154, 157, 248
Decimal	10132984
CIELab	67.84, 20.43, -45.79
CIELCh	68, 50.136, 294.041
Yxy	37.7613, 0.2433, 0.2171
Android (android.graphics.Color)	4288323064 (0xFF9A9DF8)
YUV	166.4770, 40.1908, -10.9423
Hunter-Lab	61.4502, 15.4123, -47.5498

Details

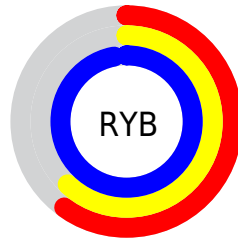
The XYZ color **42.3267, 37.7613, 93.8647** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **77.1979, 87.5960, 43.4127**, and the grayscale version is **36.2997, 38.1901, 41.5890**.

A 20% lighter version of the original color is **68.2082, 67.6574, 104.0720**, and **19.5950, 16.6663, 51.4744** is the 20% darker color. If you saturate the color by 10%, you get **34.4144, 28.2339, 92.4435**, and if you desaturate by 10%, it is **52.0149, 49.3903, 95.5994**.

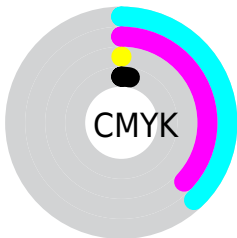
Distribution



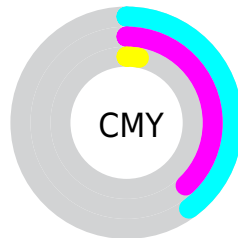
- Red (60%)
- Green (62%)
- Blue (97%)



- Red (60%)
- Yellow (62%)
- Blue (97%)



- Cyan (38%)
- Magenta (37%)
- Yellow (0%)
- Black (3%)



- Cyan (40%)
- Magenta (38%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3267, 37.7613, 93.8647 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 42.3267, 37.7613, 93.8647 by changing the saturation by 10% instead.

■ 42.3267, 37.7613,
93.8647

■ 42.3267, 37.7613,
93.8647

346.8041,
336.5949, 561.4152

■ 29.5494, 25.7975,
70.5988

■ 77.9559, 71.7421,
154.6773

■ 19.6432, 16.6722,
51.5350

■ 101.5385, 94.5279,
193.0610

■ 12.2427, 10.0011,
36.2549

129.4536,
121.6898, 237.3210

■ 6.9826, 5.3997,
24.3399

162.0666,
153.6122, 287.8759

■ 3.4974, 2.4836,
15.3714

199.7428,
190.6796, 345.1443

■ 1.4219, 0.8684,
8.9309

242.8475,

■ 0.2718, 0.0000,

233.2762, 409.5446

4.6000

291.7462,
281.7865, 481.4954

■ 0.0000, 0.0000,
1.9599

■ 0.0000, 0.0000,
0.5305

■ 42.3267, 37.7613,
93.8647

■ 42.3267, 37.7613,
93.8647

■ 34.4144, 28.2339,
92.4435

■ 52.0149, 49.3903,
95.5994

■ 28.1664, 20.6787,
91.3145

■ 63.5732, 63.2315,
97.6618

■ 23.4649, 14.9589,
90.4582

■ 77.0943, 79.3926,
100.0686

■ 20.1752, 10.9180,
89.8516

■ 92.6634, 97.9734,
102.8345

■ 18.1392, 8.3740,
89.4679

■ 93.9434, 99.5574,
103.0728

■ 17.1518, 7.0975,
89.2736

■ 17.0293, 6.9491,
89.2514

Harmonies

Analogous

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



34.3625, 37.7613, 100.0281



42.3267, 37.7613, 93.8647



49.3903, 37.7613, 71.6990

Triad

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



42.3267, 37.7613, 93.8647



45.3962, 37.7613, 15.2997



22.9900, 37.7613, 36.8325

Complementary

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



42.3267, 37.7613, 93.8647



77.1979, 87.5960, 43.4127

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.



25.1071, 37.7613, 20.7640



42.3267, 37.7613, 93.8647



37.4641, 37.7613, 11.5568

Square

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



42.3267, 37.7613, 93.8647



51.3338, 37.7613, 26.0342



30.1431, 37.7613, 13.1152



23.9048, 37.7613, 61.1219

Rectangle

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



42.3267, 37.7613, 93.8647



52.2533, 37.7613, 54.0350



30.1431, 37.7613, 13.1152



23.3598, 37.7613, 30.4395

Sweetspot

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



42.3281, 37.7627, 93.8656



77.4135, 78.9442, 105.7654



63.3561, 80.5902, 98.4965



16.1436, 16.3882, 22.5623



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.



42.3281, 37.7627, 93.8656



38.8671, 32.7366, 98.8780



51.7540, 41.8780, 94.1631



16.3274, 16.7317, 21.7543



9.2181, 3.7918, 48.2196



0.8689, 0.3815, 4.4710

Inverse Universe

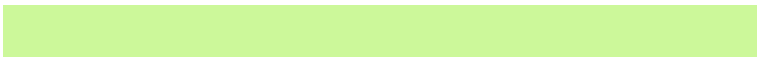
The Inverse Universe completely reimagines the original color for something new.



56.3540, 45.5036, 37.7124



55.6819, 42.1002, 31.5411



64.3398, 82.3251, 43.0730



17.2671, 17.2342, 17.9961



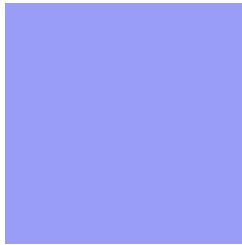
20.9449, 10.7937, 1.1523



1.9475, 1.0027, 0.1470

Previews

White Background



This preview shows how the XYZ color 42.3267, 37.7613, 93.8647 looks on a white background.

Color Contrast Check

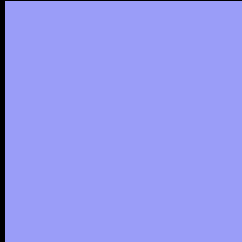
Large Text (above 18pt) WCAG AA × Fail

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 42.3267, 37.7613, 93.8647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

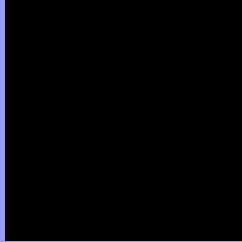
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.3267, 37.7613, 93.8647

Background



This preview shows how black text looks on a background with the XYZ color 42.3267, 37.7613, 93.8647.



This preview shows how white text looks on a background with the XYZ color 42.3267, 37.7613,

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

42.3267, 37.7613, 93.8647

Protanopia

40.1639, 37.8555, 97.2854

Deuteranopia

38.8121, 37.7939, 92.4381



Tritanopia

33.6739, 37.6991, 50.8493

Trichromacy



Original Color

42.3267, 37.7613, 93.8647

Protanomaly

40.9679, 37.7694, 96.3978

Deuteranomaly

39.8499, 37.5235, 93.1381

Tritanomaly

36.2192, 37.3446, 64.3307

Monochromacy



Original Color

42.3267, 37.7613, 93.8647

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.9613, 37.8613, 57.5317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3267, 37.7613, 93.8647 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(154, 157, 248)` looks like.

```
.text, #text, p{  
    color:rgb(154, 157, 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(154, 157, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 157, 248) }
```

Border

The CSS property to change the border of an element to XYZ 42.3267, 37.7613, 93.8647 is called "border". The border property can be set on classes, ids or directly on the HTML element.

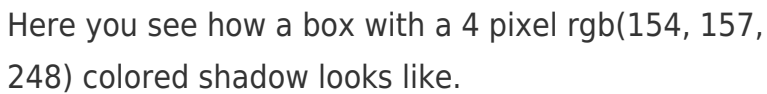
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(154, 157, 248) }
```


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

```
.border{ border-color:rgb(154, 157, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(154, 157, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 157, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 157, 248);  
box-shadow:4px 4px 4px 4px rgb(154, 157,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3267, 37.7613, 93.8647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 157, 248) }
```

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

```
.background{ background-color: rgb(154,  
157, 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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