

Converting Colors

XYZ(42.8750, 37.9720, 94.1604)

Have a look what the booklet for
XYZ(42.8750, 37.9720, 94.1604)
contains.

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Color

**XYZ(42.9049, 38.0594,
93.8918)**

Conversions

Conversions Part 1

Format	Color
Hex	9D9DF8
RGB	157, 157, 248
RGB Percent	62%, 62%, 97%
CMY	0.3843, 0.3843, 0.0274
CMYK	0.37, 0.37, 0.00, 0.03
HSL	240°, 87%, 79%
HSV	240°, 37%, 97%
XYZ	42.9049, 38.0594, 93.8918
YIQ	167.3740, -29.2110, 28.3010

Conversions

Conversions Part 2

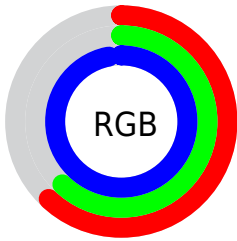
Format	Color
RYB	157, 157, 248
Decimal	10329592
CIELab	68.06, 21.21, -45.43
CIELCh	68, 50.132, 295.026
Yxy	38.0594, 0.2454, 0.2177
Android (android.graphics.Color)	4288519672 (0xFF9D9DF8)
YUV	167.3740, 39.7486, -9.0980
Hunter-Lab	61.6923, 16.1792, -47.0510

Details

The XYZ color **42.9049, 38.0594, 93.8918** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **78.3651, 89.5262, 45.0496**, and the grayscale version is **36.7365, 38.6496, 42.0895**.

A 20% lighter version of the original color is **69.0758, 68.1047, 104.1126**, and **20.0375, 16.8944, 51.4951** is the 20% darker color. If you saturate the color by 10%, you get **34.7699, 28.2570, 92.4292**, and if you desaturate by 10%, it is **52.8762, 50.0739, 95.6860**.

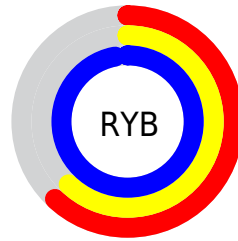
Distribution



Red (62%)

Green (62%)

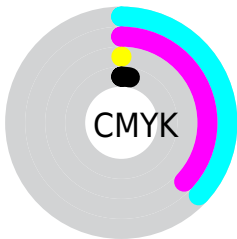
Blue (97%)



Red (62%)

Yellow (62%)

Blue (97%)

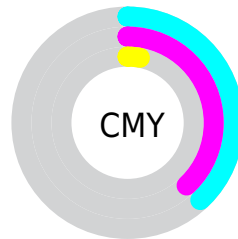


Cyan (37%)

Magenta (37%)

Yellow (0%)

Black (3%)



Cyan (38%)

Magenta (38%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9049, 38.0594, 93.8918 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 42.9049, 38.0594, 93.8918 by changing the saturation by 10% instead.

■ 42.9049, 38.0594,
93.8918

■ 42.9049, 38.0594,
93.8918

349.1487,
337.8747, 561.5045

■ 30.0047, 26.0288,
70.6212

■ 78.8239, 72.1992,
154.7151

■ 19.9902, 16.8452,
51.5532

■ 102.5735, 95.0771,
193.1048

■ 12.4962, 10.1242,
36.2693

130.6702,
122.3397, 237.3713

■ 7.1571, 5.4814,
24.3509

163.4794,
154.3712, 287.9331

■ 3.6078, 2.5324,
15.3795

201.3665,
191.5560, 345.2088

■ 1.4827, 0.8928,
8.9366

244.6969,

■ 0.3140, 0.0000,

234.2786, 409.6170

4.6036

293.8358,
282.9234, 481.5760

■ 0.0000, 0.0000,
1.9620

■ 0.0000, 0.0000,
0.5317

■ 42.9049, 38.0594,
93.8918

■ 42.9049, 38.0594,
93.8918

■ 34.7699, 28.2570,
92.4292

■ 52.8762, 50.0739,
95.6860

■ 28.3553, 20.5279,
91.2754

■ 64.7817, 64.4193,
97.8275

■ 23.5388, 14.7243,
90.4091

■ 78.7177, 81.2113,
100.3341

■ 20.1801, 10.6773,
89.8050

■ 93.9434, 99.5574,
103.0728

■ 18.1147, 8.1886,
89.4335

■ 17.1352, 7.0084,
89.2573

■ 16.9434, 6.7774,
89.2228

Harmonies

Analogous

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



34.8880, 38.0594, 100.7364



42.9049, 38.0594, 93.8918



49.9250, 38.0594, 71.2987

Triad

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



42.9049, 38.0594, 93.8918



45.4815, 38.0594, 15.2479



23.1832, 38.0594, 37.8224

Complementary

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



42.9049, 38.0594, 93.8918



78.3651, 89.5262, 45.0496

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.



25.2132, 38.0594, 21.3557



42.9049, 38.0594, 93.8918



37.4919, 38.0594, 11.6673

Square

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



42.9049, 38.0594, 93.8918



51.5563, 38.0594, 25.7815



30.1872, 38.0594, 13.4124



24.2036, 38.0594, 62.4221

Rectangle

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



42.9049, 38.0594, 93.8918



52.7042, 38.0594, 53.5736



30.1872, 38.0594, 13.4124



23.5218, 38.0594, 31.2928

Sweetspot

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



42.9063, 38.0608, 93.8927



77.1683, 78.4536, 105.6836



64.4163, 81.0811, 101.0628



16.0858, 16.2726, 22.5431



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.



42.9063, 38.0608, 93.8927



39.1358, 32.6268, 98.8427



53.4941, 43.5190, 94.3882



16.2831, 16.6431, 21.7395



9.1528, 3.6611, 48.1978



0.8477, 0.3391, 4.4639

Inverse Universe

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



67.7124, 50.8489, 95.0528



69.0823, 48.0648, 100.2431



64.1469, 82.1964, 44.3842



17.9931, 17.5246, 21.8195



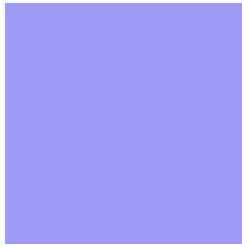
30.0645, 14.4415, 49.1753



2.7845, 1.3375, 4.5545

Previews

White Background



This preview shows how the XYZ color 42.9049, 38.0594, 93.8918 looks on a white background.

Color Contrast Check

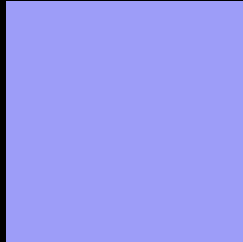
Large Text (above 18pt) WCAG AA × Fail

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 42.9049, 38.0594, 93.8918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

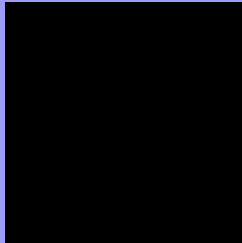
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.9049, 38.0594, 93.8918

Background



This preview shows how black text looks on a background with the XYZ color 42.9049, 38.0594, 93.8918.



This preview shows how white text looks on a background with the XYZ color 42.9049, 38.0594,

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

42.9049, 38.0594, 93.8918

Protanopia

40.6583, 38.3546, 98.1888

Deuteranopia

39.2956, 38.3099, 92.5122



Tritanopia

34.1818, 37.9609, 50.8730

Trichromacy



Original Color

42.9049, 38.0594, 93.8918

Protanomaly

41.3128, 38.2056, 96.4638

Deuteranomaly

40.5240, 38.1315, 93.2200

Tritanomaly

36.7502, 37.6183, 64.3556

Monochromacy



Original Color

42.9049, 38.0594, 93.8918

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

38.1653, 37.9664, 57.5413

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9049, 38.0594, 93.8918 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(157, 157, 248)` looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 42.9049, 38.0594, 93.8918 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(157, 157, 248) }
```


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

```
.border{ border-color:rgb(157, 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(157, 157, 248)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 42.9049, 38.0594, 93.8918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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