

Converting Colors

XYZ(41.4319, 38.1337, 86.9050)

Have a look what the booklet for
XYZ(41.4319, 38.1337, 86.9050)
contains.

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Color

**XYZ(41.4772, 38.2436,
86.8570)**

Conversions

Conversions Part 1

Format	Color
Hex	9AA0EF
RGB	154, 160, 239
RGB Percent	60%, 63%, 94%
CMY	0.3961, 0.3725, 0.0627
CMYK	0.36, 0.33, 0.00, 0.06
HSL	236°, 73%, 77%
HSV	236°, 36%, 94%
XYZ	41.4772, 38.2436, 86.8570
YIQ	167.2120, -28.9350, 23.2970

Conversions

Conversions Part 2

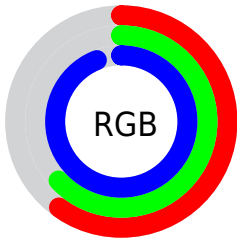
Format	Color
RYB	154, 160, 239
Decimal	10133743
CIELab	68.20, 16.32, -40.31
CIElCh	68, 43.493, 292.041
Yxy	38.2436, 0.2490, 0.2296
Android (android.graphics.Color)	4288323823 (0xFF9AA0EF)
YUV	167.2120, 35.3915, -11.5869
Hunter-Lab	61.8414, 11.4980, -39.9845

Details

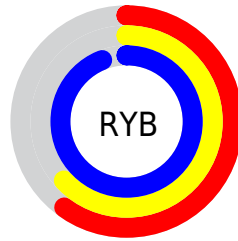
The XYZ color **41.4772, 38.2436, 86.8570** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **70.5694, 78.9629, 42.0955**, and the grayscale version is **36.6780, 38.5881, 42.0224**.

A 20% lighter version of the original color is **69.2144, 69.6698, 104.4074**, and **19.1615, 17.0088, 47.0729** is the 20% darker color. If you saturate the color by 10%, you get **33.8603, 29.1027, 85.4948**, and if you desaturate by 10%, it is **50.6904, 49.2301, 88.4927**.

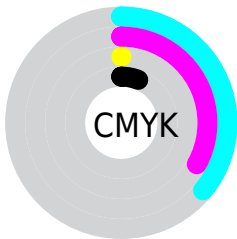
Distribution



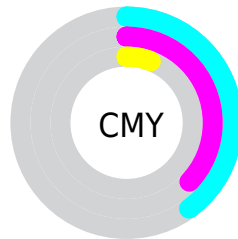
- Red (60%)
- Green (63%)
- Blue (94%)



- Red (60%)
- Yellow (63%)
- Blue (94%)



- Cyan (36%)
- Magenta (33%)
- Yellow (0%)
- Black (6%)



- Cyan (40%)
- Magenta (37%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4772, 38.2436, 86.8570 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 41.4772, 38.2436, 86.8570 by changing the saturation by 10% instead.

■ 41.4772, 38.2436,
86.8570

■ 41.4772, 38.2436,
86.8570

343.3397,
338.6638, 538.0569

■ 28.8815, 26.1718,
64.8179

■ 76.6779, 72.4814,
144.8619

■ 19.1350, 16.9522,
46.8630

■ 100.0136, 95.4161,
181.6648

■ 11.8725, 10.2004,
32.5738

127.6600,
122.7407, 224.2261

■ 6.7285, 5.5321,
21.5317

159.9824,
154.8394, 272.9643

■ 3.3377, 2.5627,
13.3182

197.3462,
192.0966, 328.2979

■ 1.3348, 0.9079,
7.5147

240.1168,

■ 0.2090, 0.0000,

234.8969, 390.6455

3.7028

288.6596,
283.6245, 460.4257

■ 0.0000, 0.0000,
1.4637

■ 0.0000, 0.0000,
0.1907

■ 41.4772, 38.2436,
86.8570

■ 41.4772, 38.2436,
86.8570

■ 33.8603, 29.1027,
85.4948

■ 50.6904, 49.2301,
88.4927

■ 27.7449, 21.7021,
84.3886

■ 61.5793, 62.1514,
90.4129

■ 23.0326, 15.9321,
83.5233

■ 74.2228, 77.0958,
92.6310

■ 19.6114, 11.6693,
82.8808

■ 88.6938, 94.1452,
95.1592

■ 17.3522, 8.7721,
82.4407

■ 92.5801, 99.0120,
95.8938

■ 16.0986, 7.0718,
82.1785

■ 15.7785, 6.6289,
82.1099

Harmonies

Analogous

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



34.5697, 38.2436, 90.7915



41.4772, 38.2436, 86.8570



47.6571, 38.2436, 69.1645

Triad

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



41.4772, 38.2436, 86.8570



44.9947, 38.2436, 18.5539



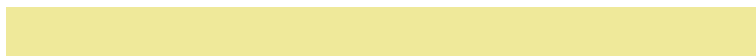
24.8825, 38.2436, 36.6704

Complementary

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



41.4772, 38.2436, 86.8570



70.5694, 78.9629, 42.0955

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.



26.9888, 38.2436, 22.6016



41.4772, 38.2436, 86.8570



38.1892, 38.2436, 14.4852

Square

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



41.4772, 38.2436, 86.8570



49.8578, 38.2436, 29.1160



31.6627, 38.2436, 15.6918



25.5320, 38.2436, 57.3235

Rectangle

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



41.4772, 38.2436, 86.8570



50.2517, 38.2436, 54.2797



31.6627, 38.2436, 15.6918



25.2814, 38.2436, 31.1339

Sweetspot

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



41.4786, 38.2450, 86.8579



77.7127, 79.5425, 105.8651



58.7477, 74.4254, 87.5519



16.2142, 16.5293, 22.5858



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.



41.4786, 38.2450, 86.8579



41.1947, 36.0832, 99.4013



48.2268, 40.2170, 86.8829



14.9868, 15.4078, 19.9057



8.7532, 3.7307, 45.3866



0.7592, 0.3725, 3.7861

Inverse Universe

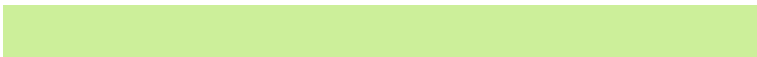
The Inverse Universe completely reimagines the original color for something new.



53.4985, 44.0015, 38.9325



57.1761, 43.9208, 35.6396



61.4881, 76.8456, 42.1654



15.8180, 15.7769, 16.5981



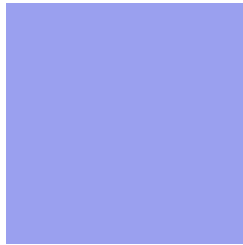
19.7439, 10.1700, 1.3018



1.6582, 0.8523, 0.1908

Previews

White Background



This preview shows how the XYZ color 41.4772, 38.2436, 86.8570 looks on a white background.

Color Contrast Check

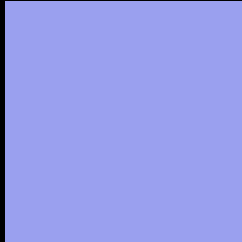
Large Text (above 18pt) WCAG AA × Fail

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 41.4772, 38.2436, 86.8570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

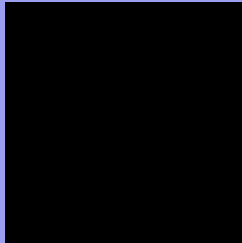
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.4772, 38.2436, 86.8570

Background



This preview shows how black text looks on a background with the XYZ color 41.4772, 38.2436, 86.8570.



This preview shows how white text looks on a background with the XYZ color 41.4772, 38.2436, 86.8570.

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

41.4772, 38.2436, 86.8570

Protanopia

39.9394, 38.1806, 89.2690

Deuteranopia

39.3690, 38.4866, 86.2426



Tritanopia

34.3700, 38.3373, 50.9357

Trichromacy



Original Color

41.4772, 38.2436, 86.8570

Protanomaly

40.4746, 38.2113, 88.4614

Deuteranomaly

40.0314, 38.2967, 86.1710

Tritanomaly

36.5719, 38.1081, 62.5548

Monochromacy



Original Color

41.4772, 38.2436, 86.8570

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.8014, 38.0826, 55.8104

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4772, 38.2436, 86.8570 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, 160, 239)` looks like.

```
.text, #text, p{  
    color:rgb(154, 160, 239)  
}
```

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, 160, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 160, 239) }
```

Border

The CSS property to change the border of an element to XYZ 41.4772, 38.2436, 86.8570 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, 160, 239) }
```


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

```
.border{ border-color:rgb(154, 160, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 160, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 160, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 160, 239);  
box-shadow:4px 4px 4px 4px rgb(154, 160,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4772, 38.2436, 86.8570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 160, 239) }
```

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

```
.background{ background-color: rgb(154,  
160, 239) }
```

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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