

Converting Colors

XYZ(38.8376, 33.2900, 98.9864)

Have a look what the booklet for
XYZ(38.8376, 33.2900, 98.9864)
contains.

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Color

**XYZ(38.8101, 33.1810,
98.9668)**

Conversions

Conversions Part 1

Format	Color
Hex	8A92FF
RGB	138, 146, 255
RGB Percent	54%, 57%, 100%
CMY	0.4588, 0.4274, 0.0000
CMYK	0.46, 0.43, 0.00, 0.00
HSL	236°, 100%, 77%
HSV	236°, 46%, 100%
XYZ	38.8101, 33.1810, 98.9668
YIQ	156.0340, -39.7570, 32.2030

Conversions

Conversions Part 2

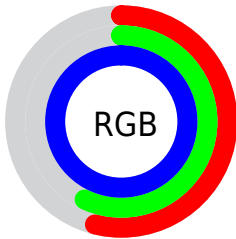
Format	Color
RYB	138, 145, 255
Decimal	9081599
CIELab	64.31, 24.79, -55.27
CIELCh	64, 60.578, 294.156
Yxy	33.1810, 0.2270, 0.1941
Android (android.graphics.Color)	4287271679 (0xFF8A92FF)
YUV	156.0340, 48.7902, -15.8158
Hunter-Lab	57.6030, 19.4596, -61.5432

Details

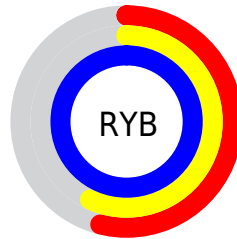
The XYZ color **38.8101, 33.1810, 98.9668** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **79.0896, 89.6187, 37.1764**, and the grayscale version is **31.4182, 33.0544, 35.9962**.

A 20% lighter version of the original color is **61.4692, 60.2643, 103.0001**, and **17.6004, 14.1052, 55.2210** is the 20% darker color. If you saturate the color by 10%, you get **31.7862, 24.6773, 97.6956**, and if you desaturate by 10%, it is **47.5875, 43.7192, 100.5383**.

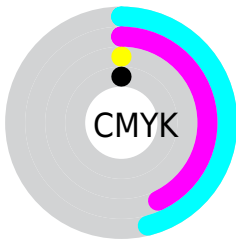
Distribution



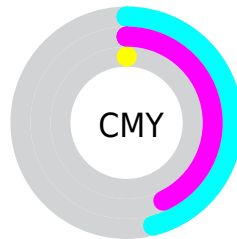
- Red (54%)
- Green (57%)
- Blue (100%)



- Red (54%)
- Yellow (57%)
- Blue (100%)



- Cyan (46%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)



- Cyan (46%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8101, 33.1810, 98.9668 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 38.8101, 33.1810, 98.9668 by changing the saturation by 10% instead.

■ 38.8101, 33.1810,
98.9668

■ 38.8101, 33.1810,
98.9668

332.3035,
316.4645, 578.0934

■ 26.7921, 22.2651,
74.8259

■ 72.6441, 64.6580,
161.7761

■ 17.5529, 14.0519,
54.9694

■ 95.1907, 85.9880,
201.2815

■ 10.7272, 8.1567,
38.9788

121.9776,
111.5580, 246.7455

■ 5.9497, 4.1954,
26.4355

153.3702,
141.7527, 298.5867

■ 2.8549, 1.7835,
16.9211

189.7337,
176.9562, 357.2235

■ 1.0775, 0.4768,
10.0169

231.4335,

■ 0.0061, 0.0000,

217.5532, 423.0745

5.3044

278.8350,
263.9278, 496.5583

■ 0.0000, 0.0000,
2.3651

■ 0.0000, 0.0000,
0.7673

■ 38.8101, 33.1810,
98.9668

■ 38.8101, 33.1810,
98.9668

■ 31.7862, 24.6773,
97.6956

■ 47.5875, 43.7192,
100.5383

■ 26.3944, 18.0734,
96.7051

■ 58.2218, 56.4080,
102.4270

■ 22.5036, 13.2239,
95.9741

■ 70.8126, 71.3589,
104.6492

■ 19.9604, 9.9605,
95.4783

■ 85.4512, 88.6747,
107.2199

■ 18.5785, 8.0817,
95.1885

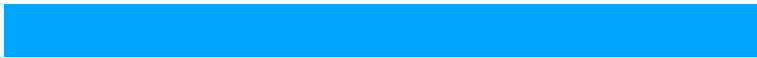
95.0500, 100.0000,
108.9000

■ 18.2572, 7.6343,
95.1191

Harmonies

Analogous

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



29.8815, 33.1810, 106.8121



38.8101, 33.1810, 98.9668



46.9534, 33.1810, 71.6184

Triad

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



38.8101, 33.1810, 98.9668



42.2610, 33.1810, 9.7103



17.7672, 33.1810, 31.5120

Complementary

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



38.8101, 33.1810, 98.9668



79.0896, 89.6187, 37.1764

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.



19.9297, 33.1810, 14.8669



38.8101, 33.1810, 98.9668



33.2537, 33.1810, 6.5080

Square

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



38.8101, 33.1810, 98.9668



49.1861, 33.1810, 19.9902



25.2355, 33.1810, 7.8350



18.7138, 33.1810, 59.2153

Rectangle

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



38.8101, 33.1810, 98.9668



50.2983, 33.1810, 50.6831



25.2355, 33.1810, 7.8350



18.1401, 33.1810, 24.6668

Sweetspot

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



38.8113, 33.1821, 98.9670



73.4061, 74.4313, 105.1055



62.7618, 83.5316, 99.4021



15.0762, 15.1783, 22.3850



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.



38.8113, 33.1821, 98.9670



32.3373, 25.3476, 97.7960



47.5724, 35.9322, 99.0360



17.1027, 17.5770, 22.7412



9.5764, 4.0623, 49.7140



0.9656, 0.4619, 4.8515

Inverse Universe

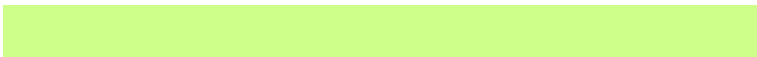
The Inverse Universe completely reimagines the original color for something new.



55.5177, 41.5139, 32.2818



51.0017, 34.9283, 23.2342



65.8715, 86.5131, 37.2737



18.0597, 18.0072, 18.9317



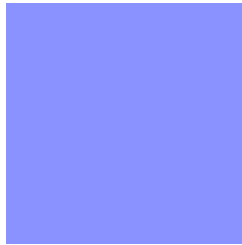
21.6219, 11.1381, 1.3935



2.1220, 1.0912, 0.2239

Previews

White Background



This preview shows how the XYZ color 38.8101, 33.1810, 98.9668 looks on a white background.

Color Contrast Check

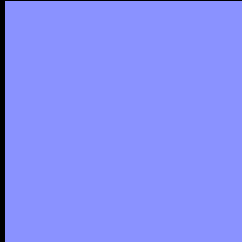
Large Text (above 18pt) WCAG AA × Fail

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 38.8101, 33.1810, 98.9668 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 38.8101, 33.1810, 98.9668

Background



This preview shows how black text looks on a background with the XYZ color 38.8101, 33.1810, 98.9668.



This preview shows how white text looks on a background with the XYZ color 38.8101, 33.1810,

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

38.8101, 33.1810, 98.9668

Protanopia

36.2177, 33.2539, 99.1175

Deuteranopia

34.4420, 33.3556, 97.5515



Tritanopia

28.1361, 33.0420, 45.9691

Trichromacy



Original Color

38.8101, 33.1810, 98.9668

Protanomaly

37.1247, 33.2436, 99.0677

Deuteranomaly

35.6732, 32.9917, 98.2538

Tritanomaly

31.3886, 32.8068, 62.4356

Monochromacy



Original Color

38.8101, 33.1810, 98.9668

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

33.1371, 32.6518, 54.4251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8101, 33.1810, 98.9668 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(138, 146, 255)` looks like.

```
.text, #text, p{  
    color:rgb(138, 146, 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(138, 146, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 146, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.8101, 33.1810, 98.9668 is called "border". The border property can be set on classes, ids or directly on the HTML element.

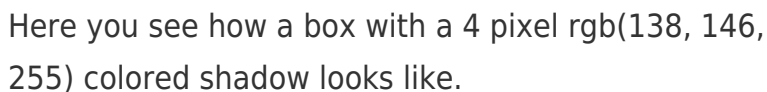
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(138, 146, 255) }
```


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

```
.border{ border-color:rgb(138, 146, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(138, 146, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 146, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 146, 255);  
box-shadow:4px 4px 4px 4px rgb(138, 146,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8101, 33.1810, 98.9668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 146, 255) }
```

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

```
.background{ background-color: rgb(138,  
146, 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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