

Converting Colors

XYZ(43.7943, 38.0191, 99.6380)

Have a look what the booklet for
XYZ(43.7943, 38.0191, 99.6380)
contains.

XYZ(43.8431, 38.1650, 99.6635)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(43.8431, 38.1650,
99.6635)**

Conversions

Conversions Part 1

Format	Color
Hex	9D9CFF
RGB	157, 156, 255
RGB Percent	62%, 61%, 100%
CMY	0.3843, 0.3882, 0.0000
CMYK	0.38, 0.39, 0.00, 0.00
HSL	241°, 100%, 81%
HSV	241°, 39%, 100%
XYZ	43.8431, 38.1650, 99.6635
YIQ	167.5850, -31.1830, 31.0010

Conversions

Conversions Part 2

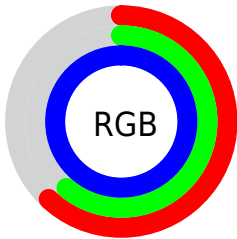
Format	Color
R _Y B	157, 156, 255
Decimal	10329343
CIE Lab	68.14, 23.65, -49.12
CIE LCh	68, 54.512, 295.710
Yxy	38.1650, 0.2413, 0.2101
Android (android.graphics.Color)	4288519423 (0xFF9D9CFF)
YUV	167.5850, 43.0956, -9.2830
Hunter-Lab	61.7778, 18.5684, -52.4055

Details

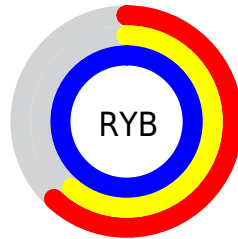
The XYZ color **43.8431, 38.1650, 99.6635** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **82.6333, 94.9909, 45.4335**, and the grayscale version is **36.8241, 38.7418, 42.1899**.

A 20% lighter version of the original color is **69.1209, 67.7603, 104.0437**, and **20.6114, 16.9471, 55.6109** is the 20% darker color. If you saturate the color by 10%, you get **35.5783, 28.2057, 98.1768**, and if you desaturate by 10%, it is **54.0259, 50.4476, 101.4976**.

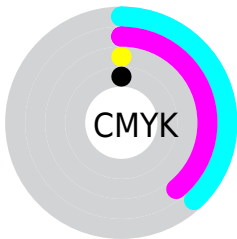
Distribution



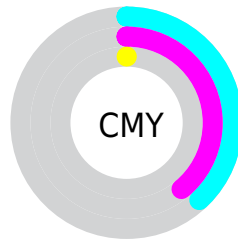
- Red (62%)
- Green (61%)
- Blue (100%)



- Red (62%)
- Yellow (61%)
- Blue (100%)



- Cyan (38%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.8431, 38.1650, 99.6635 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 43.8431, 38.1650, 99.6635 by changing the saturation by 10% instead.

43.8431, 38.1650,
99.6635

43.8431, 38.1650,
99.6635

352.9307,
338.3272, 580.3507

30.7446, 26.1108,
75.4042

80.2294, 72.3610,
162.7425

20.5553, 16.9065,
55.4404

104.2479, 95.2715,
202.3993

12.9099, 10.1679,
39.3534

132.6370,
122.5696, 248.0258

7.4431, 5.5104,
26.7249

165.7623,
154.6396, 300.0403

3.7895, 2.5497,
17.1361

203.9889,
191.8660, 358.8616

1.5838, 0.9015,
10.1686

247.6822,

0.3818, 0.0000,

234.6332, 424.9080

5.4038

297.2077,
283.3254, 498.5982

■ 0.0000, 0.0000,
2.4232

■ 0.0000, 0.0000,
0.7991

■ 43.8431, 38.1650,
99.6635

■ 43.8431, 38.1650,
99.6635

■ 35.5783, 28.2057,
98.1768

■ 54.0259, 50.4476,
101.4976

■ 29.1078, 20.4198,
97.0150

■ 66.2322, 65.1827,
103.6985

■ 24.2996, 14.6464,
96.1541

■ 80.5646, 82.4949,
106.2846

■ 21.0022, 10.7004,
95.5662

95.0500, 100.0000,
108.9000

■ 19.0362, 8.3627,
95.2186

■ 18.1521, 7.3210,
95.0641

■ 18.0823, 7.2367,
95.0515

Harmonies

Analogous

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



35.0648, 38.1650, 107.9574



43.8431, 38.1650, 99.6635



51.5360, 38.1650, 73.9274

Triad

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



43.8431, 38.1650, 99.6635



46.2920, 38.1650, 13.6247



22.2865, 38.1650, 38.1485

Complementary

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



43.8431, 38.1650, 99.6635



82.6333, 94.9909, 45.4335

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.



24.3697, 38.1650, 20.3567



43.8431, 38.1650, 99.6635



37.5121, 38.1650, 10.1598

Square

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



43.8431, 38.1650, 99.6635



53.0978, 38.1650, 24.3662



29.6316, 38.1650, 12.0255



23.4431, 38.1650, 65.3693

Rectangle

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



43.8431, 38.1650, 99.6635



54.5458, 38.1650, 54.2233



29.6316, 38.1650, 12.0255



22.6208, 38.1650, 31.0319

Sweetspot

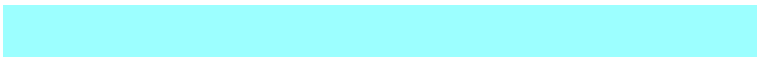
The Sweet Spot groups the original color and five complimentary colors.



43.8444, 38.1663, 99.6637



75.7742, 76.7075, 105.4200



67.5208, 85.8082, 107.6117



15.8110, 15.9260, 22.4906



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.



43.8444, 38.1663, 99.6637



36.9473, 29.8545, 98.4229



55.2543, 44.0483, 100.1977



17.0200, 17.3865, 22.7088



9.4557, 3.7851, 49.6668



0.9264, 0.3715, 4.8362

Inverse Universe

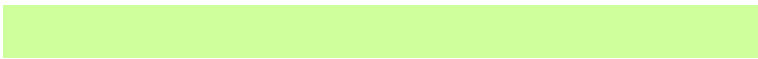
The Inverse Universe completely reimagines the original color for something new.



71.0180, 52.1934, 100.0956



67.7802, 45.7720, 98.8497



67.0763, 86.9709, 44.7054



18.7843, 18.2970, 22.7473



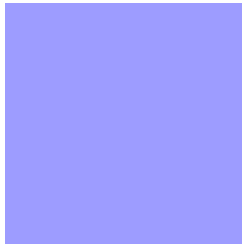
30.7683, 14.7966, 49.5576



2.9983, 1.4417, 4.8382

Previews

White Background



This preview shows how the XYZ color 43.8431, 38.1650, 99.6635 looks on a white background.

Color Contrast Check

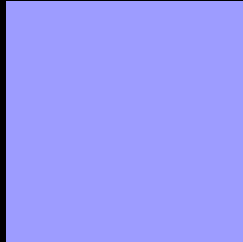
Large Text (above 18pt) WCAG AA × Fail

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 43.8431, 38.1650, 99.6635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

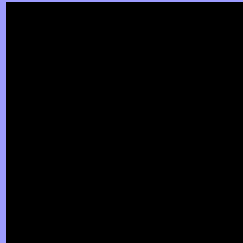
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 43.8431, 38.1650, 99.6635

Background



This preview shows how black text looks on a background with the XYZ color 43.8431, 38.1650, 99.6635.



This preview shows how white text looks on a background with the XYZ color 43.8431, 38.1650,

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

43.8431, 38.1650, 99.6635

Protanopia

40.6629, 38.3199, 99.8611

Deuteranopia

39.3531, 38.2131, 98.2302



Tritanopia

34.1351, 38.2041, 51.4739

Trichromacy



Original Color

43.8431, 38.1650, 99.6635

Protanomaly

41.6053, 38.0243, 99.7543

Deuteranomaly

40.8014, 38.1473, 98.9786

Tritanomaly

37.1231, 38.0366, 66.3580

Monochromacy



Original Color

43.8431, 38.1650, 99.6635

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

39.0106, 38.6136, 60.0407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.8431, 38.1650, 99.6635 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, 156, 255)` looks like.

```
.text, #text, p{  
    color:rgb(157, 156, 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(157, 156, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 156, 255) }
```

Border

The CSS property to change the border of an element to XYZ 43.8431, 38.1650, 99.6635 is called "border". The border property can be set on classes, ids or directly on the HTML element.

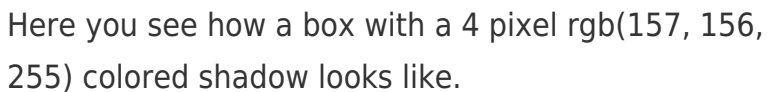
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 156, 255) }
```


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

```
.border{ border-color:rgb(157, 156, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 156, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 156, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 156, 255);  
box-shadow:4px 4px 4px 4px rgb(157, 156,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 43.8431, 38.1650, 99.6635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 156, 255) }
```

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

```
.background{ background-color: rgb(157,  
156, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor