

Converting Colors

XYZ(49.3465, 37.0109,
156.7256)

Have a look what the booklet for
XYZ(49.3465, 37.0109, 156.7256)
contains.

XYZ(38.4919, 32.7892, 98.9079)	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(38.4919, 32.7892,
98.9079)**

Conversions

Conversions Part 1

Format	Color
Hex	8991FF
RGB	137, 145, 255
RGB Percent	54%, 57%, 100%
CMY	0.4627, 0.4314, 0.0000
CMYK	0.46, 0.43, 0.00, 0.00
HSL	236°, 100%, 77%
HSV	236°, 46%, 100%
XYZ	38.4919, 32.7892, 98.9079
YIQ	155.1480, -40.0780, 32.5140

Conversions

Conversions Part 2

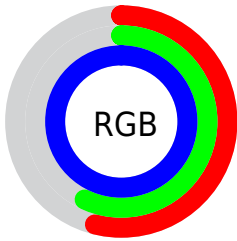
Format	Color
R_{YB}	137, 144, 255
Decimal	9015807
CIE _{Lab}	63.99, 25.14, -55.78
CIE _{LCh}	64, 61.186, 294.261
Yxy	32.7892, 0.2262, 0.1927
Android (android.graphics.Color)	4287205887 (0xFF8991FF)
YUV	155.1480, 49.2270, -15.9158
Hunter-Lab	57.2619, 19.7810, -62.3278

Details

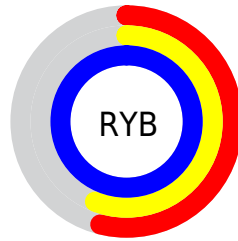
The XYZ color **38.4919, 32.7892, 98.9079** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **79.0173, 89.5895, 36.7966**, and the grayscale version is **31.0240, 32.6397, 35.5446**.

A 20% lighter version of the original color is **60.9791, 59.6689, 102.9111**, and **17.4271, 13.8813, 55.1869** is the 20% darker color. If you saturate the color by 10%, you get **31.5347, 24.3632, 97.6483**, and if you desaturate by 10%, it is **47.1990, 43.2463, 100.4675**.

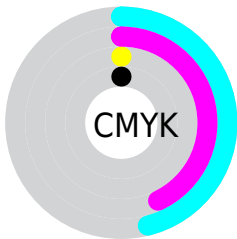
Distribution



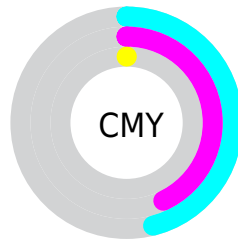
- Red (54%)
- Green (57%)
- Blue (100%)



- Red (54%)
- Yellow (56%)
- 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 38.4919, 32.7892, 98.9079 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 38.4919, 32.7892, 98.9079 by changing the saturation by 10% instead.

■ 38.4919, 32.7892,
98.9079

■ 38.4919, 32.7892,
98.9079

330.9699,
314.6988, 577.9023

■ 26.5436, 21.9650,
74.7770

■ 72.1605, 64.0463,
161.6943

■ 17.3656, 13.8312,
54.9296

■ 94.6116, 85.2480,
201.1870

■ 10.5924, 8.0033,
38.9471

121.2943,
110.6776, 246.6372

■ 5.8587, 4.0971,
26.4111

152.5740,
140.7196, 298.4637

■ 2.7992, 1.7280,
16.9029

188.8160,
175.7583, 357.0849

■ 1.0485, 0.4417,
10.0041

230.3858,

■ 0.0000, 0.0000,

216.1781, 422.9194

5.2960

277.6486,
262.3635, 496.3857

■ 0.0000, 0.0000,
2.3602

■ 0.0000, 0.0000,
0.7647

■ 38.4919, 32.7892,
98.9079

■ 38.4919, 32.7892,
98.9079

■ 31.5347, 24.3632,
97.6483

■ 47.1990, 43.2463,
100.4675

■ 26.2054, 17.8331,
96.6687

■ 57.7600, 55.8514,
102.3439

■ 22.3721, 13.0524,
95.9480

■ 70.2746, 70.7163,
104.5535

■ 19.8803, 9.8514,
95.4614

■ 84.8346, 87.9442,
107.1114

■ 18.5416, 8.0265, 95.0500, 100.0000,
95.1798 108.9000

■ 18.2549, 7.6297,
95.1183

Harmonies

Analogous

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



29.5353, 32.7892, 106.9235



38.4919, 32.7892, 98.9079



46.6656, 32.7892, 71.2703

Triad

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



38.4919, 32.7892, 98.9079



41.8956, 32.7892, 9.3542



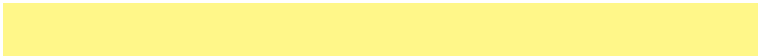
17.3998, 32.7892, 31.1580

Complementary

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



38.4919, 32.7892, 98.9079



79.0173, 89.5895, 36.7966

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.



19.5445, 32.7892, 14.5180



38.4919, 32.7892, 98.9079



32.8539, 32.7892, 6.2218

Square

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



38.4919, 32.7892, 98.9079



48.8710, 32.7892, 19.5200



24.8327, 32.7892, 7.5404



18.3539, 32.7892, 59.0024

Rectangle

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



38.4919, 32.7892, 98.9079



50.0181, 32.7892, 50.2047



24.8327, 32.7892, 7.5404



17.7678, 32.7892, 24.3014

Sweetspot

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



38.4931, 32.7903, 98.9081



73.4006, 74.4204, 105.1037



62.5843, 83.4416, 99.3273



15.0749, 15.1757, 22.3846



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.



38.4931, 32.7903, 98.9081



31.7022, 24.5671, 97.6788



47.2873, 35.5731, 98.9817



17.1018, 17.5753, 22.7410



9.5750, 4.0595, 49.7135



0.9652, 0.4611, 4.8514

Inverse Universe

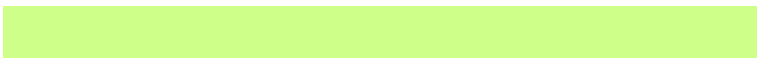
The Inverse Universe completely reimagines the original color for something new.



55.2974, 41.1971, 31.8263



50.5616, 34.2947, 22.3276



65.6836, 86.4246, 36.8885



18.0593, 18.0070, 18.9294



21.6212, 11.1378, 1.3897



2.1218, 1.0911, 0.2228

Previews

White Background



This preview shows how the XYZ color 38.4919, 32.7892, 98.9079 looks on a white background.

Color Contrast Check

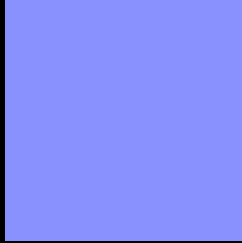
Large Text (above 18pt) WCAG AA × Fail

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 38.4919, 32.7892, 98.9079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

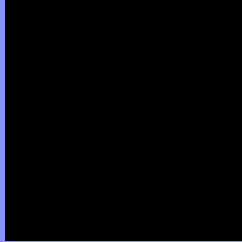
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.4919, 32.7892, 98.9079

Background



This preview shows how black text looks on a background with the XYZ color 38.4919, 32.7892, 98.9079.



This preview shows how white text looks on a background with the XYZ color 38.4919, 32.7892,

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

38.4919, 32.7892, 98.9079

Protanopia

35.7987, 32.7980, 99.0516

Deuteranopia

34.0671, 32.9142, 97.4861



Tritanopia

28.0039, 32.9738, 45.9629

Trichromacy



Original Color

38.4919, 32.7892, 98.9079

Protanomaly

36.6826, 32.7798, 99.0015

Deuteranomaly

35.3864, 32.6040, 98.1941

Tritanomaly

31.0763, 32.3957, 62.3727

Monochromacy



Original Color

38.4919, 32.7892, 98.9079

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

32.6833, 32.1907, 53.7810

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4919, 32.7892, 98.9079 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(137, 145, 255)` looks like.

```
.text, #text, p{  
    color:rgb(137, 145, 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(137, 145, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 145, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.4919, 32.7892, 98.9079 is called "border". The border property can be set on classes, ids or directly on the HTML element.

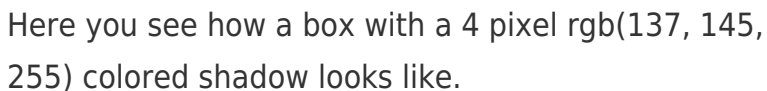
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 145, 255) }
```


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

```
.border{ border-color:rgb(137, 145, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 145, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 145, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 145, 255);  
box-shadow:4px 4px 4px 4px rgb(137, 145,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4919, 32.7892, 98.9079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 145, 255) }
```

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

```
.background{ background-color: rgb(137,  
145, 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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