

Converting Colors

XYZ(39.0197, 32.4872, 98.8218)

Have a look what the booklet for
XYZ(39.0197, 32.4872, 98.8218)
contains.

XYZ(38.8783, 32.3168, 98.7964)	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(38.8783, 32.3168,
98.7964)**

Conversions

Conversions Part 1

Format	Color
Hex	8E8EFF
RGB	142, 142, 255
RGB Percent	56%, 56%, 100%
CMY	0.4431, 0.4431, 0.0000
CMYK	0.44, 0.44, 0.00, 0.00
HSL	240°, 100%, 78%
HSV	240°, 44%, 100%
XYZ	38.8783, 32.3168, 98.7964
YIQ	154.8820, -36.2730, 35.1430

Conversions

Conversions Part 2

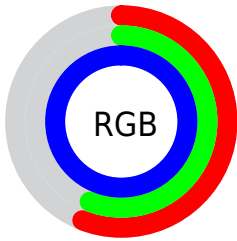
Format	Color
R_{YB}	142, 142, 255
Decimal	9342719
CIE _{Lab}	63.60, 28.04, -56.38
CIE _{LCh}	64, 62.963, 296.444
Yxy	32.3168, 0.2287, 0.1901
Android (android.graphics.Color)	4287532799 (0xFF8E8EFF)
YUV	154.8820, 49.3582, -11.2975
Hunter-Lab	56.8479, 22.5925, -63.2471

Details

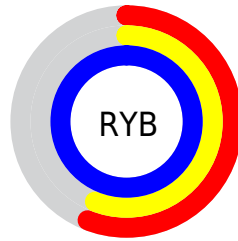
The XYZ color **38.8783, 32.3168, 98.7964** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **81.8817, 94.7326, 39.5617**, and the grayscale version is **30.9050, 32.5144, 35.4082**.

A 20% lighter version of the original color is **61.6093, 58.9792, 102.7447**, and **17.6763, 13.6163, 55.1226** is the 20% darker color. If you saturate the color by 10%, you get **31.6233, 23.5746, 97.4914**, and if you desaturate by 10%, it is **48.0040, 43.3123, 100.4378**.

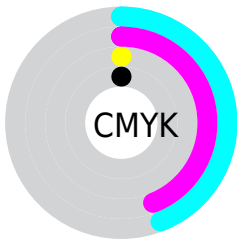
Distribution



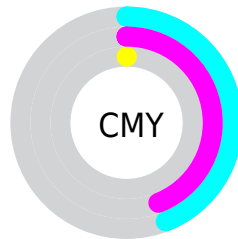
- Red (56%)
- Green (56%)
- Blue (100%)



- Red (56%)
- Yellow (56%)
- Blue (100%)



- Cyan (44%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)



- Cyan (44%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8783, 32.3168, 98.7964 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 38.8783, 32.3168, 98.7964 by changing the saturation by 10% instead.

■ 38.8783, 32.3168,
98.7964

■ 38.8783, 32.3168,
98.7964

332.5889,
312.5599, 577.5406

■ 26.8454, 21.6036,
74.6845

■ 72.7476, 63.3074,
161.5396

■ 17.5931, 13.5659,
54.8543

■ 95.3147, 84.3536,
201.0079

■ 10.7562, 7.8194,
38.8872

■ 122.1239,
109.6129, 246.4322

■ 5.9692, 3.9796,
26.3649

153.5406,
139.4697, 298.2308

■ 2.8668, 1.6622,
16.8686

189.9301,
174.3084, 356.8225

■ 1.0837, 0.3990,
9.9799

231.6577,

■ 0.0114, 0.0000,

214.5134, 422.6256

5.2802

279.0888,
260.4691, 496.0588

■ 0.0000, 0.0000,
2.3510

■ 0.0000, 0.0000,
0.7596

■ 38.8783, 32.3168,
98.7964

■ 38.8783, 32.3168,
98.7964

■ 31.6233, 23.5746,
97.4914

■ 48.0040, 43.3123,
100.4378

■ 26.1062, 16.9270,
96.4990

■ 59.1137, 56.6989,
102.4361

■ 22.1829, 12.1997,
95.7934

■ 72.3160, 72.6068,
104.8108

■ 19.6842, 9.1890,
95.3439

■ 87.7105, 91.1563,
107.5798

■ 18.4030, 7.6452,
95.1135

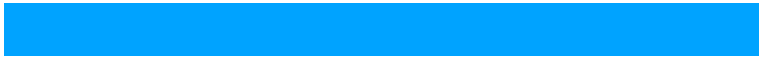
95.0500, 100.0000,
108.9000

■ 18.0501, 7.2200,
95.0500

Harmonies

Analogous

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



29.6792, 32.3168, 109.0293



38.8783, 32.3168, 98.7964



47.0721, 32.3168, 69.3172

Triad

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



38.8783, 32.3168, 98.7964



41.0429, 32.3168, 8.2933



16.7416, 32.3168, 32.2684

Complementary

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



38.8783, 32.3168, 98.7964



81.8817, 94.7326, 39.5617

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.



18.6699, 32.3168, 14.6334



38.8783, 32.3168, 98.7964



31.7770, 32.3168, 5.6066

Square

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



38.8783, 32.3168, 98.7964



48.4800, 32.3168, 17.7276



23.7847, 32.3168, 7.1991



17.9274, 32.3168, 61.4587

Rectangle

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



38.8783, 32.3168, 98.7964



50.2611, 32.3168, 47.8030



23.7847, 32.3168, 7.1991



17.0360, 32.3168, 25.0132

Sweetspot

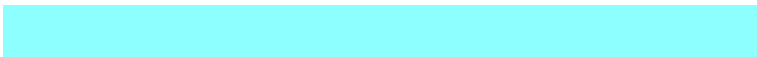
The Sweet Spot groups the original color and five complimentary colors.



38.8795, 32.3179, 98.7965



74.2099, 74.8889, 105.1515



64.9657, 84.4910, 107.4921



15.2071, 15.2137, 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.



38.8795, 32.3179, 98.7965



32.4738, 24.5995, 97.6444



51.1444, 38.6407, 99.3705



17.0031, 17.3778, 22.7080



9.4316, 3.7726, 49.6657



0.9183, 0.3673, 4.8358

Inverse Universe

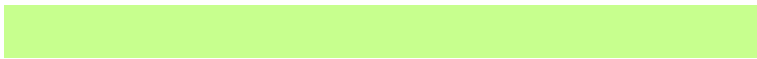
The Inverse Universe completely reimagines the original color for something new.



68.9629, 47.8265, 100.2023



65.9880, 41.8767, 99.2103



64.0637, 85.5470, 38.7278



18.7927, 18.3004, 22.7917



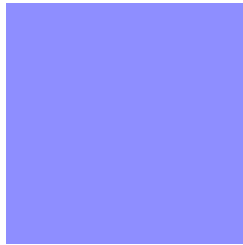
30.9798, 14.8812, 50.6717



3.0164, 1.4489, 4.9338

Previews

White Background



This preview shows how the XYZ color 38.8783, 32.3168, 98.7964 looks on a white background.

Color Contrast Check

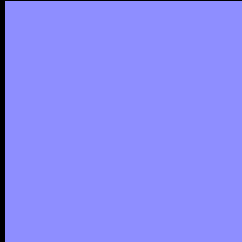
Large Text (above 18pt) WCAG AA × Fail

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 38.8783, 32.3168, 98.7964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

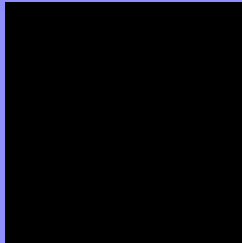
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.8783, 32.3168, 98.7964

Background



This preview shows how black text looks on a background with the XYZ color 38.8783, 32.3168, 98.7964.



This preview shows how white text looks on a background with the XYZ color 38.8783, 32.3168,

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

38.8783, 32.3168, 98.7964

Protanopia

35.3868, 32.3477, 98.9864

Deuteranopia

33.5399, 32.4148, 96.5844



Tritanopia

27.8594, 32.1518, 44.2727

Trichromacy



Original Color

38.8783, 32.3168, 98.7964

Protanomaly

36.5098, 32.2250, 98.9035

Deuteranomaly

35.0664, 32.2195, 97.2993

Tritanomaly

31.0728, 31.6835, 60.9777

Monochromacy



Original Color

38.8783, 32.3168, 98.7964

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

32.8880, 32.0583, 53.7447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8783, 32.3168, 98.7964 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(142, 142, 255)` looks like.

```
.text, #text, p{  
    color:rgb(142, 142, 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(142, 142, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 142, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.8783, 32.3168, 98.7964 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(142, 142, 255) }
```


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

```
.border{ border-color:rgb(142, 142, 255) }
```

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

Here you see how a box with a 4 pixel rgb(142, 142, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 142, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 142, 255);  
box-shadow:4px 4px 4px 4px rgb(142, 142,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8783, 32.3168, 98.7964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 142, 255) }
```

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

```
.background{ background-color: rgb(142,  
142, 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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