

Converting Colors

XYZ(32.8123, 38.9001, 14.7959)

Have a look what the booklet for
XYZ(32.8123, 38.9001, 14.7959)
contains.

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Color

**XYZ(32.8123, 38.9001,
14.7959)**

Conversions

Conversions Part 1

Format	Color
Hex	A8AD57
RGB	168, 173, 87
RGB Percent	66%, 68%, 34%
CMY	0.3412, 0.3216, 0.6588
CMYK	0.03, 0.00, 0.50, 0.32
HSL	63°, 34%, 51%
HSV	63°, 50%, 68%
XYZ	32.8123, 38.9001, 14.7959
YIQ	161.7010, 24.6260, -27.8060

Conversions

Conversions Part 2

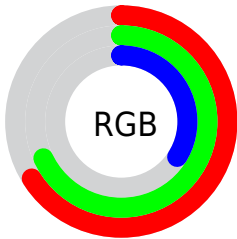
Format	Color
RYB	87, 173, 92
Decimal	11054423
CIELab	68.68, -14.24, 43.17
CIELCh	69, 45.463, 108.255
Yxy	38.9001, 0.3793, 0.4497
Android (android.graphics.Color)	4289244503 (0xFFA8AD57)
YUV	161.7010, -36.8276, 5.5242
Hunter-Lab	62.3699, -15.2401, 29.5937

Details

The XYZ color **32.8123, 38.9001, 14.7959** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **15.3660, 12.1098, 41.0651**, and the grayscale version is **34.3623, 36.1518, 39.3693**.

A 20% lighter version of the original color is **63.4549, 73.3584, 35.2413**, and **14.1107, 17.3857, 4.3623** is the 20% darker color. If you saturate the color by 10%, you get **31.9754, 38.5421, 11.4992**, and if you desaturate by 10%, it is **33.8221, 39.3303, 18.9864**.

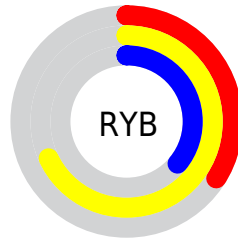
Distribution



Red (66%)

Green (68%)

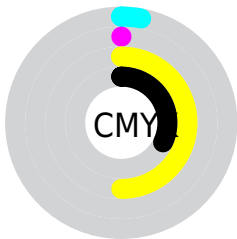
Blue (34%)



Red (34%)

Yellow (68%)

Blue (36%)

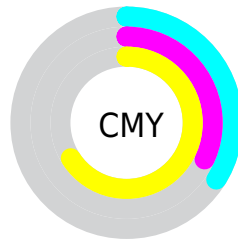


Cyan (3%)

Magenta (0%)

Yellow (50%)

Black (32%)



Cyan (34%)

Magenta (32%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8123, 38.9001, 14.7959 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 32.8123, 38.9001, 14.7959 by changing the saturation by 10% instead.

■ 32.8123, 38.9001,
14.7959

■ 32.8123, 38.9001,
14.7959

306.4831,
341.4656, 233.7256

■ 22.1412, 26.6820,
8.5312

■ 63.4390, 73.4857,
35.2320

■ 14.0779, 17.3346,
4.3441

■ 84.1254, 96.6220,
50.2404

■ 8.2569, 10.4733,
1.8160

■ 108.8809,
124.1665, 69.0006

■ 4.3130, 5.7139,
0.4384

■ 138.0709,
156.5035, 91.9310

■ 1.8807, 2.6719,
0.0000

■ 172.0608,
194.0176, 119.4501

■ 0.5656, 0.9629,
0.0000

211.2158,

■ 0.0000, 0.0000,

237.0930, 151.9766

0.0000

255.9015,
286.1142, 189.9289

■ 32.8123, 38.9001,
14.7959

■ 32.8123, 38.9001,
14.7959

■ 31.9754, 38.5421,
11.4992

■ 33.8221, 39.3303,
18.9864

■ 31.2963, 38.2460,
9.0291

■ 35.0132, 39.8318,
24.1267

■ 30.7621, 38.0080,
7.3129


■ 36.3966, 40.4104,
30.2709


■ 30.3562, 37.8215,
6.2641


■ 37.9817, 41.0699,
37.4687


■ 30.0444, 37.6729,
5.7025


■ 39.7773, 41.8137,
45.7661

 30.0357, 37.6687,
5.6877

 41.7916, 42.6453,
55.2066

 44.0325, 43.5676,
65.8313

 46.5073, 44.5838,
77.6793

 49.2232, 45.6966,
90.7879

Harmonies

Analogous

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



39.8577, 38.9001, 14.2266



32.8123, 38.9001, 14.7959



27.5934, 38.9001, 21.0952

Triad

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



32.8123, 38.9001, 14.7959



28.5162, 38.9001, 79.2679



52.2167, 38.9001, 50.9314

Complementary

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



32.8123, 38.9001, 14.7959



15.3660, 12.1098, 41.0651

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.



48.2693, 38.9001, 74.5404



32.8123, 38.9001, 14.7959



34.2317, 38.9001, 94.1059

Square

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



32.8123, 38.9001, 14.7959



25.3436, 38.9001, 55.9982



41.4722, 38.9001, 92.1398



51.7073, 38.9001, 31.1309

Rectangle

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



32.8123, 38.9001, 14.7959



25.5680, 38.9001, 29.3226



41.4722, 38.9001, 92.1398



51.3481, 38.9001, 58.7710

Sweetspot

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



32.8132, 38.9019, 14.7967



66.3982, 72.8761, 59.7073



22.7220, 17.1069, 11.1217



14.3069, 15.7864, 12.4192



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.8132, 38.9019, 14.7967



57.0845, 68.9457, 19.9186



25.2254, 34.9902, 14.4416



8.6160, 9.3061, 8.5555



22.0813, 27.6804, 4.1790



0.6278, 0.7770, 0.1169

Inverse Universe

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



15.3660, 12.1098, 41.0651



22.1383, 15.2497, 72.5824



20.8317, 14.9274, 41.3209



7.6205, 7.7786, 10.0525



5.6509, 2.2730, 29.1854



0.1709, 0.0703, 0.8125

Previews

White Background



This preview shows how the XYZ color 32.8123, 38.9001, 14.7959 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 32.8123, 38.9001, 14.7959 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 32.8123, 38.9001, 14.7959

Background



This preview shows how black text looks on a background with the XYZ color 32.8123, 38.9001, 14.7959.



This preview shows how white text looks on a background with the XYZ color 32.8123, 38.9001,

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

32.8123, 38.9001, 14.7959

Protanopia

35.6499, 38.9754, 14.2384

Deuteranopia

39.5931, 38.8589, 15.0866



Tritanopia

39.2938, 38.7940, 46.4913

Trichromacy



Original Color

32.8123, 38.9001, 14.7959

Protanomaly

34.6448, 39.0050, 14.5068

Deuteranomaly

36.9965, 38.8380, 14.9978

Tritanomaly

36.3083, 38.6497, 31.9320

Monochromacy



Original Color

32.8123, 38.9001, 14.7959

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.3192, 36.9142, 28.2907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8123, 38.9001, 14.7959 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(168, 173, 87)` looks like.

```
.text, #text, p{  
    color:rgb(168, 173, 87)  
}
```

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(168, 173, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 173, 87) }
```

Border

The CSS property to change the border of an element to XYZ 32.8123, 38.9001, 14.7959 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(168, 173, 87) }
```


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

```
.border{ border-color:rgb(168, 173, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 173, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 173, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 173, 87);  
box-shadow:4px 4px 4px 4px rgb(168, 173,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8123, 38.9001, 14.7959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 173, 87) }
```

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

```
.background{ background-color: rgb(168,  
173, 87) }
```

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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