

Converting Colors

XYZ(32.3477, 38.1311, 11.2073)

Have a look what the booklet for
XYZ(32.3477, 38.1311, 11.2073)
contains.

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Color

**XYZ(32.4317, 38.2134,
11.2968)**

Conversions

Conversions Part 1

Format	Color
Hex	ABAB45
RGB	171, 171, 69
RGB Percent	67%, 67%, 27%
CMY	0.3294, 0.3294, 0.7294
CMYK	0.00, 0.00, 0.60, 0.33
HSL	60°, 42%, 47%
HSV	60°, 60%, 67%
XYZ	32.4317, 38.2134, 11.2968
YIQ	159.3720, 32.7420, -31.7220

Conversions

Conversions Part 2

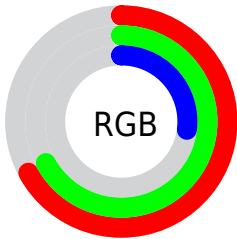
Format	Color
RYB	69, 171, 69
Decimal	11250501
CIELab	68.18, -13.44, 51.16
CIELCh	68, 52.892, 104.723
Yxy	38.2134, 0.3958, 0.4663
Android (android.graphics.Color)	4289440581 (0xFFABAB45)
YUV	159.3720, -44.5534, 10.1978
Hunter-Lab	61.8170, -14.5314, 32.4369

Details

The XYZ color **32.4317, 38.2134, 11.2968** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **11.9342, 8.4625, 39.5348**, and the grayscale version is **33.3133, 35.0481, 38.1674**.

A 20% lighter version of the original color is **62.6425, 72.2672, 28.7365**, and **13.8597, 16.9308, 2.8541** is the 20% darker color. If you saturate the color by 10%, you get **31.9758, 38.0324, 8.8930**, and if you desaturate by 10%, it is **33.0424, 38.4591, 14.5078**.

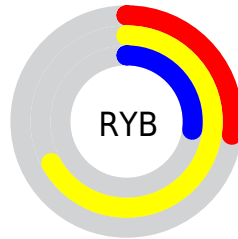
Distribution



Red (67%)

Green (67%)

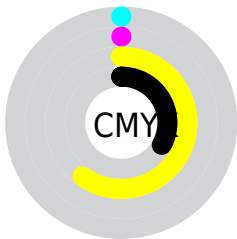
Blue (27%)



Red (27%)

Yellow (67%)

Blue (27%)

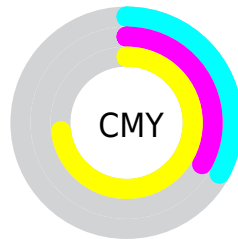


Cyan (0%)

Magenta (0%)

Yellow (60%)

Black (33%)



Cyan (33%)

Magenta (33%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.4317, 38.2134, 11.2968 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 32.4317, 38.2134, 11.2968 by changing the saturation by 10% instead.


 32.4317, 38.2134,
11.2968


 32.4317, 38.2134,
11.2968


304.7916,
338.5345, 210.5026


 21.8486, 26.1484,
6.1502


 62.8479, 72.4351,
28.8527

 13.8617, 16.9347,
2.8663


 83.4117, 95.3606,
42.0990


 8.1056, 10.1879,
1.0268


 108.0331,
122.6749, 58.8824

 4.2150, 5.5237,
0.0000

 137.0774,
154.7626, 79.6212

 1.8244, 2.5577,
0.0000

 170.9101,
192.0080, 104.7341

 0.5323, 0.9055,
0.0000

209.8964,

 0.0000, 0.0000,

234.7956, 134.6396

0.0000

254.4018,
283.5096, 169.7563

■ 32.4317, 38.2134,
11.2968

■ 32.4317, 38.2134,
11.2968

■ 31.9758, 38.0324,
8.8930

■ 33.0424, 38.4591,
14.5078

■ 31.6584, 37.9055,
7.2226

■ 33.8171, 38.7690,
18.5865

■ 31.4646, 37.8279,
6.2027

■ 34.7675, 39.1492,
23.5904

■ 31.3609, 37.7864,
5.6579

■ 35.9035, 39.6036,
29.5714

■ 31.3576, 37.7851,
5.6405

■ 37.2341, 40.1359,
36.5775

■ 38.7679, 40.7494,
44.6536

■ 40.5130, 41.4475,
53.8419

■ 42.4768, 42.2330,
64.1824

■ 44.6666, 43.1090,
75.7130

Harmonies

Analogous

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



40.6688, 38.2134, 11.3447



32.4317, 38.2134, 11.2968



26.2510, 38.2134, 16.9331

Triad

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



32.4317, 38.2134, 11.2968



26.1634, 38.2134, 82.5286



53.8989, 38.2134, 54.7821

Complementary

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



32.4317, 38.2134, 11.2968



11.9342, 8.4625, 39.5348

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.



48.6835, 38.2134, 83.0215



32.4317, 38.2134, 11.2968



32.2941, 38.2134, 102.7255

Square

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



32.4317, 38.2134, 11.2968



23.0225, 38.2134, 54.2725



40.5088, 38.2134, 102.9340



53.9507, 38.2134, 31.0848

Rectangle

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



32.4317, 38.2134, 11.2968



23.7678, 38.2134, 25.0494



40.5088, 38.2134, 102.9340



52.6601, 38.2134, 64.2118

Sweetspot

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



32.4326, 38.2152, 11.2976



64.5941, 71.0425, 54.5191



19.9982, 13.3448, 7.1525



14.2652, 15.7869, 11.4231



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.



32.4326, 38.2152, 11.2976



57.0302, 68.0168, 14.6972



23.3843, 33.5506, 10.8741



8.6627, 9.3302, 8.5577



23.6377, 28.4827, 4.2519



0.6576, 0.7924, 0.1183

Inverse Universe

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



11.9342, 8.4625, 39.5348



16.8882, 9.7522, 69.9941



17.2257, 11.1904, 39.7824



7.5790, 7.7573, 10.0505



5.5414, 2.2166, 29.1803



0.1542, 0.0617, 0.8118

Previews

White Background



This preview shows how the XYZ color 32.4317, 38.2134, 11.2968 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 32.4317, 38.2134, 11.2968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

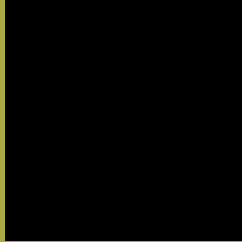
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.4317, 38.2134, 11.2968

Background



This preview shows how black text looks on a background with the XYZ color 32.4317, 38.2134, 11.2968.



This preview shows how white text looks on a background with the XYZ color 32.4317, 38.2134,

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

32.4317, 38.2134, 11.2968

Protanopia

34.6872, 38.0041, 10.9762

Deuteranopia

38.8831, 38.0566, 11.5996



Tritanopia

39.1697, 37.9825, 44.8021

Trichromacy



Original Color

32.4317, 38.2134, 11.2968

Protanomaly

33.8684, 38.1259, 11.0428

Deuteranomaly

36.2592, 37.9997, 11.5545

Tritanomaly

35.7801, 37.6473, 28.3025

Monochromacy



Original Color

32.4317, 38.2134, 11.2968

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.9673, 35.4873, 24.9035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4317, 38.2134, 11.2968 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(171, 171, 69)` looks like.

```
.text, #text, p{  
    color:rgb(171, 171, 69)  
}
```

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(171, 171, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 171, 69) }
```

Border

The CSS property to change the border of an element to XYZ 32.4317, 38.2134, 11.2968 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(171, 171, 69) }
```


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

```
.border{ border-color:rgb(171, 171, 69) }
```

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

Here you see how a box with a 4 pixel rgb(171, 171, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 171, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 171, 69);  
box-shadow:4px 4px 4px 4px rgb(171, 171,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4317, 38.2134, 11.2968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 171, 69) }
```

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

```
.background{ background-color: rgb(171,  
171, 69) }
```

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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