

Converting Colors

XYZ(33.4814, 39.0990, 13.8821)

Have a look what the booklet for
XYZ(33.4814, 39.0990, 13.8821)
contains.

XYZ(33.3271, 38.9002, 13.9356)	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(33.3271, 38.9002,
13.9356)**

Conversions

Conversions Part 1

Format	Color
Hex	ACAC53
RGB	172, 172, 83
RGB Percent	67%, 67%, 33%
CMY	0.3255, 0.3255, 0.6745
CMYK	0.00, 0.00, 0.52, 0.33
HSL	60°, 35%, 50%
HSV	60°, 52%, 67%
XYZ	33.3271, 38.9002, 13.9356
YIQ	161.8540, 28.5690, -27.6790

Conversions

Conversions Part 2

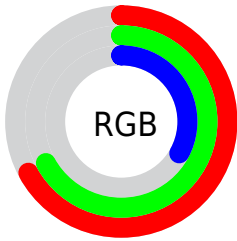
Format	Color
RYB	83, 172, 83
Decimal	11316307
CIELab	68.68, -12.42, 45.21
CIELCh	69, 46.882, 105.358
Yxy	38.9002, 0.3868, 0.4515
Android (android.graphics.Color)	4289506387 (0xFFACAC53)
YUV	161.8540, -38.8750, 8.8980
Hunter-Lab	62.3700, -13.7670, 30.4116

Details

The XYZ color **33.3271, 38.9002, 13.9356** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **14.1082, 11.0050, 40.4126**, and the grayscale version is **34.4420, 36.2357, 39.4606**.

A 20% lighter version of the original color is **64.1554, 73.3455, 33.6974**, and **14.3133, 17.3191, 3.9550** is the 20% darker color. If you saturate the color by 10%, you get **32.7439, 38.6683, 10.8617**, and if you desaturate by 10%, it is **34.0769, 39.2016, 17.8788**.

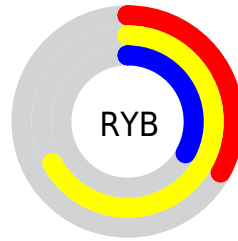
Distribution



Red (67%)

Green (67%)

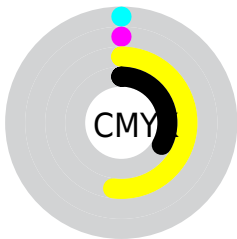
Blue (33%)



Red (33%)

Yellow (67%)

Blue (33%)

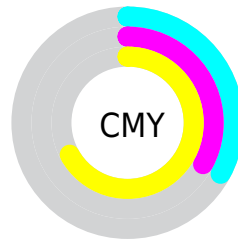


Cyan (0%)

Magenta (0%)

Yellow (52%)

Black (33%)



Cyan (33%)

Magenta (33%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3271, 38.9002, 13.9356 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 33.3271, 38.9002, 13.9356 by changing the saturation by 10% instead.

■ 33.3271, 38.9002,
13.9356

■ 33.3271, 38.9002,
13.9356

308.7601,
341.4660, 228.2443

■ 22.5376, 26.6821,
7.9376

■ 64.2371, 73.4858,
33.6902

■ 14.3712, 17.3346,
3.9679

■ 85.0884, 96.6222,
48.2839

■ 8.4627, 10.4733,
1.6077

■ 110.0242,
124.1667, 66.5800

■ 4.4467, 5.7139,
0.2963

■ 139.4100,
156.5038, 88.9969

■ 1.9578, 2.6719,
0.0000

■ 173.6112,
194.0179, 115.9533

■ 0.6101, 0.9630,
0.0000

212.9930,

■ 0.0000, 0.0000,

237.0933, 147.8676

0.0000

257.9208,
286.1146, 185.1584

■ 33.3271, 38.9002,
13.9356

■ 33.3271, 38.9002,
13.9356

■ 32.7439, 38.6683,
10.8617

■ 34.0769, 39.2016,
17.8788

■ 32.3122, 38.4956,
8.5892

■ 35.0017, 39.5715,
22.7476

■ 32.0186, 38.3782,
7.0444

■ 36.1125, 40.0159,
28.5963

■ 31.8464, 38.3092,
6.1386

■ 37.4189, 40.5384,
35.4744

■ 31.7656, 38.2769,
5.7140

■ 38.9295, 41.1427,
43.4281

■ 40.6526, 41.8320,
52.5007

■ 42.5960, 42.6093,
62.7332

■ 44.7670, 43.4778,
74.1645

■ 47.1727, 44.4401,
86.8317

Harmonies

Analogous

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



40.6932, 38.9002, 13.8729



33.3271, 38.9002, 13.9356



27.7347, 38.9002, 19.6671

Triad

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



33.3271, 38.9002, 13.9356



27.8386, 38.9002, 78.5254



52.5420, 38.9002, 53.5300

Complementary

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



33.3271, 38.9002, 13.9356



14.1082, 11.0050, 40.4126

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.



48.0651, 38.9002, 77.9831



33.3271, 38.9002, 13.9356



33.4877, 38.9002, 95.3688

Square

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



33.3271, 38.9002, 13.9356



24.8664, 38.9002, 54.1072



40.8766, 38.9002, 95.1425



52.4838, 38.9002, 32.4423

Rectangle

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



33.3271, 38.9002, 13.9356



25.4768, 38.9002, 27.5190



40.8766, 38.9002, 95.1425



51.4938, 38.9002, 61.7481

Sweetspot

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



33.3280, 38.9020, 13.9364



66.7580, 73.0898, 58.4470



21.6692, 15.5827, 10.0498



14.4069, 15.8436, 12.1697



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.



33.3280, 38.9020, 13.9364



59.2761, 70.0969, 19.0570



25.1424, 34.6822, 13.5533



8.6627, 9.3302, 8.5577



23.6374, 28.4826, 4.2519



0.6576, 0.7924, 0.1183

Inverse Universe

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



14.1082, 11.0050, 40.4126



20.5506, 13.8879, 72.4033



19.3679, 13.7164, 40.6588



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 33.3271, 38.9002, 13.9356 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 33.3271, 38.9002, 13.9356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

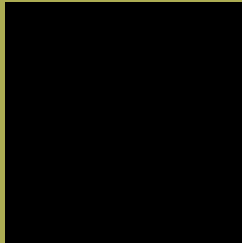
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3271, 38.9002, 13.9356

Background



This preview shows how black text looks on a background with the XYZ color 33.3271, 38.9002, 13.9356.



This preview shows how white text looks on a background with the XYZ color 33.3271, 38.9002,

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

33.3271, 38.9002, 13.9356

Protanopia

35.5332, 38.9287, 13.6238

Deuteranopia

39.7041, 38.9353, 14.2267



Tritanopia

39.7142, 38.7596, 45.9456

Trichromacy



Original Color

33.3271, 38.9002, 13.9356

Protanomaly

34.5333, 38.6884, 13.6302

Deuteranomaly

37.1633, 38.6761, 14.1009

Tritanomaly

36.8788, 38.6904, 31.1155

Monochromacy



Original Color

33.3271, 38.9002, 13.9356

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.5957, 37.0729, 27.5754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3271, 38.9002, 13.9356 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(172, 172, 83)` looks like.

```
.text, #text, p{  
    color:rgb(172, 172, 83)  
}
```

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(172, 172, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 172, 83) }
```

Border

The CSS property to change the border of an element to XYZ 33.3271, 38.9002, 13.9356 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(172, 172, 83) }
```


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

```
.border{ border-color:rgb(172, 172, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 172, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 172, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 172, 83);  
box-shadow:4px 4px 4px 4px rgb(172, 172,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3271, 38.9002, 13.9356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 172, 83) }
```

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

```
.background{ background-color: rgb(172,  
172, 83) }
```

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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