

Converting Colors

XYZ(33.8875, 39.3981, 37.2080)

Have a look what the booklet for
XYZ(33.8875, 39.3981, 37.2080)
contains.

XYZ(33.9084, 39.5443, 37.2981)	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(33.9084, 39.5443,
37.2981)**

Conversions

Conversions Part 1

Format	Color
Hex	96AF9C
RGB	150, 175, 156
RGB Percent	59%, 69%, 61%
CMY	0.4118, 0.3137, 0.3882
CMYK	0.14, 0.00, 0.11, 0.31
HSL	134°, 14%, 64%
HSV	134°, 14%, 69%
XYZ	33.9084, 39.5443, 37.2981
YIQ	165.3590, -8.8010, -11.2090

Conversions

Conversions Part 2

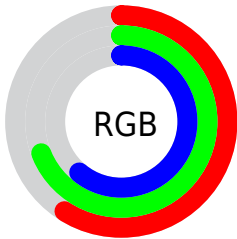
Format	Color
RYB	150, 170, 175
Decimal	9875356
CIELab	69.14, -12.38, 6.86
CIELCh	69, 14.155, 151.010
Yxy	39.5443, 0.3062, 0.3571
Android (android.graphics.Color)	4288065436 (0xFF96AF9C)
YUV	165.3590, -4.6140, -13.4698
Hunter-Lab	62.8843, -13.7968, 8.8527

Details

The XYZ color **33.9084, 39.5443, 37.2981** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.7484, 33.7922, 42.1764**, and the grayscale version is **35.9620, 37.8348, 41.2021**.

A 20% lighter version of the original color is **65.1106, 74.6423, 71.9485**, and **14.7784, 17.8385, 16.0289** is the 20% darker color. If you saturate the color by 10%, you get **29.8602, 37.5816, 31.5480**, and if you desaturate by 10%, it is **38.5631, 41.8076, 43.7221**.

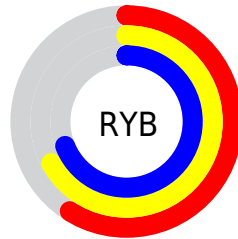
Distribution



Red (59%)

Green (69%)

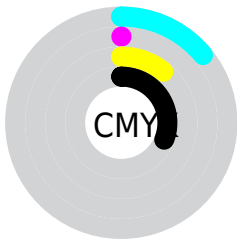
Blue (61%)



Red (59%)

Yellow (67%)

Blue (69%)

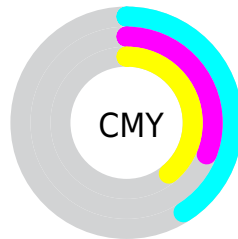


Cyan (14%)

Magenta (0%)

Yellow (11%)

Black (31%)



Cyan (41%)


Magenta (31%)


Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9084, 39.5443, 37.2981 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 33.9084, 39.5443, 37.2981 by changing the saturation by 10% instead.


 33.9084, 39.5443,
37.2981


 33.9084, 39.5443,
37.2981


311.3165,
344.1991, 349.8068

 22.9858, 27.1834,
25.1408


 65.1364, 74.4691,
72.2225

 14.7037, 17.7110,
15.9620


 86.1726, 97.8018,
95.8266

 8.6966, 10.7427,
9.3432


111.3106,
125.5606, 124.0834

 4.5994, 5.8941,
4.8659

140.9159,
158.1298, 157.4115

 2.0465, 2.7808,
2.1114

175.3537,
195.8938, 196.2293

 0.6599, 1.0184,
0.6225

214.9896,

 0.0000, 0.0000,

239.2372, 240.9554

0.0000

260.1887,
288.5441, 292.0084

■ 33.9084, 39.5443,
37.2981

■ 33.9084, 39.5443,
37.2981

■ 29.8602, 37.5816,
31.5480

■ 38.5631, 41.8076,
43.7221

■ 26.3901, 35.9020,
26.4474

■ 43.8447, 44.3784,
50.8382

■ 23.4721, 34.4937,
21.9741

■ 49.7768, 47.2694,
58.6672

■ 21.0771, 33.3422,
18.1038

■ 56.3807, 50.4911,
67.2283

■ 19.1730, 32.4315,
14.8106

■ 63.6766, 54.0538,
76.5397

■ 17.7243, 31.7439,
12.0665

■ 71.6828, 57.9663,
86.6192

■ 16.6903, 31.2591,
9.8414

■ 73.6862, 58.7677,
97.1688

■ 16.0229, 30.9528,
8.1021

■ 74.6207, 59.1415,
102.0902

■ 15.7486, 30.8286,
7.3107

Harmonies

Analogous

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



35.3893, 39.5443, 33.2397



33.9084, 39.5443, 37.2981



33.4028, 39.5443, 43.2769

Triad

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



33.9084, 39.5443, 37.2981



37.6624, 39.5443, 56.7498



41.4378, 39.5443, 36.9536

Complementary

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



33.9084, 39.5443, 37.2981



35.7484, 33.7922, 42.1764

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.



42.1039, 39.5443, 42.8378



33.9084, 39.5443, 37.2981



39.8711, 39.5443, 54.6389

Square

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



33.9084, 39.5443, 37.2981



35.5170, 39.5443, 54.8966



41.5196, 39.5443, 49.3802



39.7331, 39.5443, 33.0552

Rectangle

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



33.9084, 39.5443, 37.2981



33.6701, 39.5443, 47.6789



41.5196, 39.5443, 49.3802



41.7936, 39.5443, 38.7440

Sweetspot

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



33.9095, 39.5460, 37.2990



69.2555, 74.9665, 78.5651



37.2345, 41.3174, 34.8672



15.2462, 16.5908, 17.2620



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



33.9095, 39.5460, 37.2990



58.4354, 69.7091, 63.5763



35.0079, 39.9853, 43.0832



7.9804, 8.9697, 8.9216



11.2983, 22.0846, 5.3447



0.3356, 0.6229, 0.2607

Inverse Universe

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



35.7484, 33.7922, 42.1764



62.3393, 57.4927, 73.9296



34.6442, 33.3505, 36.3615



8.2537, 8.1147, 9.6465



15.7176, 7.7496, 16.6902



0.4569, 0.2234, 0.5677

Previews

White Background



This preview shows how the XYZ color 33.9084, 39.5443, 37.2981 looks on a white background.

Color Contrast Check

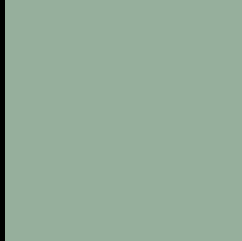
Large Text (above 18pt) WCAG AA × Fail

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 33.9084, 39.5443, 37.2981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

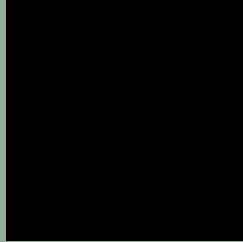
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.9084, 39.5443, 37.2981

Background



This preview shows how black text looks on a background with the XYZ color 33.9084, 39.5443, 37.2981.



This preview shows how white text looks on a background with the XYZ color 33.9084, 39.5443,

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

33.9084, 39.5443, 37.2981

Protanopia

37.3493, 39.3862, 35.3395

Deuteranopia

40.0942, 39.3890, 38.2905



Tritanopia

36.7322, 39.5551, 51.0463

Trichromacy



Original Color

33.9084, 39.5443, 37.2981

Protanomaly

36.0386, 39.5327, 35.8681

Deuteranomaly

37.4458, 39.1047, 37.9221

Tritanomaly

35.5294, 39.3333, 45.7639

Monochromacy



Original Color

33.9084, 39.5443, 37.2981

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.2068, 38.4582, 39.7500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9084, 39.5443, 37.2981 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(150, 175, 156)` looks like.

```
.text, #text, p{  
    color:rgb(150, 175, 156)  
}
```

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(150, 175, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 175, 156) }
```

Border

The CSS property to change the border of an element to XYZ 33.9084, 39.5443, 37.2981 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(150, 175, 156) }
```


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

```
.border{ border-color:rgb(150, 175, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 175, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 175, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 175, 156);  
box-shadow:4px 4px 4px 4px rgb(150, 175,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9084, 39.5443, 37.2981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 175, 156) }
```

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

```
.background{ background-color: rgb(150,  
175, 156) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor