

Converting Colors

XYZ(36.2976, 39.4336, 33.7153)

Have a look what the booklet for
XYZ(36.2976, 39.4336, 33.7153)
contains.

XYZ(36.2976, 39.4336, 33.7153)	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(36.2976, 39.4336,
33.7153)**

Conversions

Conversions Part 1

Format	Color
Hex	AAAA94
RGB	170, 170, 148
RGB Percent	67%, 67%, 58%
CMY	0.3333, 0.3333, 0.4196
CMYK	0.00, 0.00, 0.13, 0.33
HSL	60°, 11%, 62%
HSV	60°, 13%, 67%
XYZ	36.2976, 39.4336, 33.7153
YIQ	167.4920, 7.0620, -6.8420

Conversions

Conversions Part 2

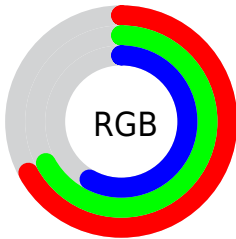
Format	Color
RYB	148, 170, 148
Decimal	11184788
CIELab	69.06, -3.90, 11.36
CIELCh	69, 12.006, 108.947
Yxy	39.4336, 0.3316, 0.3603
Android (android.graphics.Color)	4289374868 (0xFFAAAA94)
YUV	167.4920, -9.6096, 2.1995
Hunter-Lab	62.7962, -6.7163, 12.1245

Details

The XYZ color **36.2976, 39.4336, 33.7153** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.0598, 30.3790, 42.3117**, and the grayscale version is **37.0146, 38.9422, 42.4081**.

A 20% lighter version of the original color is **68.6372, 74.1222, 66.5666**, and **16.1073, 17.6715, 13.8713** is the 20% darker color. If you saturate the color by 10%, you get **35.0495, 38.9356, 27.1411**, and if you desaturate by 10%, it is **37.7455, 40.0141, 41.3322**.

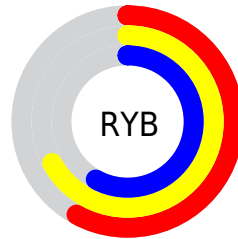
Distribution



Red (67%)

Green (67%)

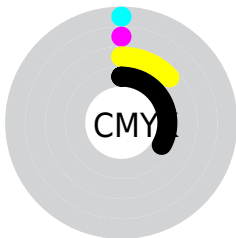
Blue (58%)



Red (58%)

Yellow (67%)

Blue (58%)

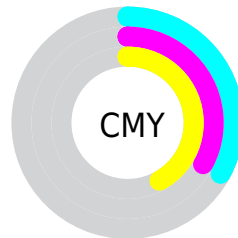


Cyan (0%)

Magenta (0%)

Yellow (13%)

Black (33%)



Cyan (33%)


Magenta (33%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2976, 39.4336, 33.7153 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 36.2976, 39.4336, 33.7153 by changing the saturation by 10% instead.


 36.2976, 39.4336,
33.7153


 36.2976, 39.4336,
33.7153


321.6680,
343.7305, 333.5910

 24.8353, 27.0972,
22.3994


 68.8120, 74.3002,
66.6195

 16.0825, 17.6462,
13.9495


 90.5949, 97.5993,
89.0449

 9.6737, 10.6963,
7.9472


116.5486,
125.3213, 116.0105

 5.2438, 5.8630,
3.9739

147.0386,
157.8508, 147.9349

 2.4272, 2.7620,
1.6110

182.4301,
195.5720, 185.2366

 0.8587, 1.0088,
0.2987

223.0887,

 0.0000, 0.0000,

238.8695, 228.3342

0.0000

269.3795,
288.1275, 277.6461

■ 36.2976, 39.4336,
33.7153

■ 36.2976, 39.4336,
33.7153

■ 35.0495, 38.9356,
27.1411

■ 37.7455, 40.0141,
41.3322

■ 33.9894, 38.5115,
21.5618

■ 39.3981, 40.6752,
50.0317

■ 33.1092, 38.1594,
16.9297


■ 41.2640, 41.4217,
59.8547


■ 32.3990, 37.8752,
13.1924


■ 43.3506, 42.2564,
70.8392


■ 31.8476, 37.6546,
10.2920


■ 45.6645, 43.1820,
83.0215


 31.4430, 37.4927,
8.1642


 48.2126, 44.2013,
96.4362


 31.1711, 37.3838,
6.7352

 49.0072, 44.5192,
100.6178

 31.0151, 37.3214,
5.9168

 49.0078, 44.5195,
100.6179

 30.9484, 37.2947,
5.5674

 49.0083, 44.5198,
100.6179

Harmonies

Analogous

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



38.1908, 39.4336, 33.3965



36.2976, 39.4336, 33.7153



34.7719, 39.4336, 36.3768

Triad

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



36.2976, 39.4336, 33.7153



35.1140, 39.4336, 51.3894



41.2115, 39.4336, 44.9900

Complementary

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



36.2976, 39.4336, 33.7153



30.0598, 30.3790, 42.3117

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.



40.3262, 39.4336, 50.2408



36.2976, 39.4336, 33.7153



36.7790, 39.4336, 54.1395

Square

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



36.2976, 39.4336, 33.7153



34.1047, 39.4336, 46.4522



38.6887, 39.4336, 53.7021



41.0719, 39.4336, 39.6028

Rectangle

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



36.2976, 39.4336, 33.7153



34.1482, 39.4336, 39.2588



38.6887, 39.4336, 53.7021



41.0227, 39.4336, 46.8370

Sweetspot

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



36.2987, 39.4353, 33.7161



68.1665, 72.4715, 73.3305



32.5140, 31.8649, 32.4544



15.1560, 16.1433, 16.1142



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.



36.2987, 39.4353, 33.7161



65.0587, 71.2282, 56.9714



34.0195, 38.2604, 33.6095



8.1468, 8.7738, 8.0534



22.7648, 27.4329, 4.0953



0.5539, 0.6675, 0.0996

Inverse Universe

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



30.0598, 30.3790, 42.3117



51.1354, 51.0172, 76.1541



32.1448, 31.4539, 42.4093



7.1319, 7.3006, 9.4516



5.3377, 2.1351, 28.1063



0.1299, 0.0520, 0.6838

Previews

White Background



This preview shows how the XYZ color 36.2976, 39.4336, 33.7153 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 36.2976, 39.4336, 33.7153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

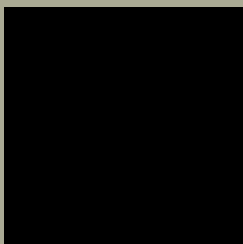
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

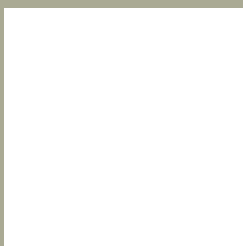
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.2976, 39.4336, 33.7153

Background



This preview shows how black text looks on a background with the XYZ color 36.2976, 39.4336, 33.7153.



This preview shows how white text looks on a background with the XYZ color 36.2976, 39.4336,

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

36.2976, 39.4336, 33.7153

Protanopia

37.1736, 39.3420, 33.2383

Deuteranopia

40.1636, 39.2491, 34.3132



Tritanopia

39.2285, 39.5258, 48.2095

Trichromacy



Original Color

36.2976, 39.4336, 33.7153

Protanomaly

36.9100, 39.4812, 33.2790

Deuteranomaly

38.6471, 39.2705, 33.9768

Tritanomaly

38.1202, 39.3488, 42.6317

Monochromacy



Original Color

36.2976, 39.4336, 33.7153

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.4962, 38.8682, 38.8365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2976, 39.4336, 33.7153 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(170, 170, 148)` looks like.

```
.text, #text, p{  
    color:rgb(170, 170, 148)  
}
```

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(170, 170, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 170, 148) }
```

Border

The CSS property to change the border of an element to XYZ 36.2976, 39.4336, 33.7153 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(170, 170, 148) }
```


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

```
.border{ border-color:rgb(170, 170, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 170, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 170, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 170, 148); box-shadow:4px 4px 4px 4px rgb(170, 170, 148) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2976, 39.4336, 33.7153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 170, 148) }
```

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

```
.background{ background-color: rgb(170,  
170, 148) }
```

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