

Converting Colors

XYZ(36.9035, 40.0158, 34.9000)

Have a look what the booklet for
XYZ(36.9035, 40.0158, 34.9000)
contains.

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Color

**XYZ(36.9434, 40.0181,
35.0553)**

Conversions

Conversions Part 1

Format	Color
Hex	ABAB97
RGB	171, 171, 151
RGB Percent	67%, 67%, 59%
CMY	0.3294, 0.3294, 0.4078
CMYK	0.00, 0.00, 0.12, 0.33
HSL	60°, 11%, 63%
HSV	60°, 12%, 67%
XYZ	36.9434, 40.0181, 35.0553
YIQ	168.7200, 6.4200, -6.2200

Conversions

Conversions Part 2

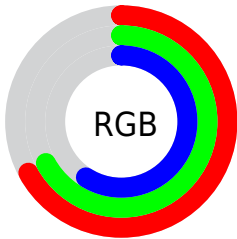
Format	Color
RYB	151, 171, 151
Decimal	11250583
CIELab	69.48, -3.56, 10.31
CIELCh	69, 10.906, 109.066
Yxy	40.0181, 0.3298, 0.3573
Android (android.graphics.Color)	4289440663 (0xFFABAB97)
YUV	168.7200, -8.7360, 1.9996
Hunter-Lab	63.2599, -6.4618, 11.4265

Details

The XYZ color **36.9434, 40.0181, 35.0553** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.1813, 31.6539, 42.9966**, and the grayscale version is **37.6142, 39.5731, 43.0951**.

A 20% lighter version of the original color is **69.5798, 74.9692, 68.5609**, and **16.5048, 18.0357, 14.6679** is the 20% darker color. If you saturate the color by 10%, you get **35.6540, 39.5036, 28.2638**, and if you desaturate by 10%, it is **38.4365, 40.6167, 42.9095**.

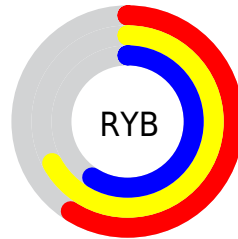
Distribution



Red (67%)

Green (67%)

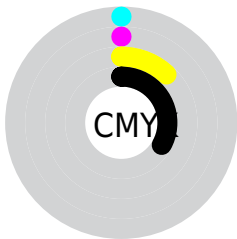
Blue (59%)



Red (59%)

Yellow (67%)

Blue (59%)

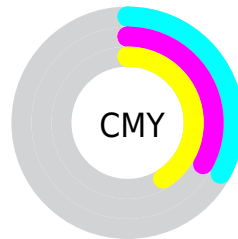


Cyan (0%)

Magenta (0%)

Yellow (12%)

Black (33%)



Cyan (33%)


Magenta (33%)


Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9434, 40.0181, 35.0553 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 36.9434, 40.0181, 35.0553 by changing the saturation by 10% instead.


 36.9434, 40.0181,
35.0553


 36.9434, 40.0181,
35.0553


324.4252,
346.1999, 339.7240

 25.3371, 27.5527,
23.4216


 69.8001, 75.1911,
68.7240

 16.4585, 17.9887,
14.6969

 91.7813, 98.6674,
91.5960

 9.9421, 10.9419,
8.4627


117.9515,
126.5828, 119.0512

 5.4225, 6.0278,
4.3004

148.6761,
159.3217, 151.5082

 2.5345, 2.8620,
1.7916

184.3204,
197.2684, 189.3854

 0.9127, 1.0601,
0.4224

225.2498,

 0.0000, 0.0000,

240.8074, 233.1014

0.0000

271.8296,
290.3231, 283.0748

■ 36.9434, 40.0181,
35.0553

■ 36.9434, 40.0181,
35.0553

■ 35.6540, 39.5036,
28.2638

■ 38.4365, 40.6167,
42.9095

■ 34.5563, 39.0644,
22.4871

■ 40.1381, 41.2975,
51.8666

■ 33.6422, 38.6987,
17.6771

■ 42.0570, 42.0651,
61.9679

■ 32.9017, 38.4024,
13.7811

■ 44.2005, 42.9226,
73.2517

■ 32.3238, 38.1712,
10.7413

■ 46.5754, 43.8726,
85.7544

■ 31.8962, 38.0001,
8.4933

■ 49.1885, 44.9179,
99.5112

■ 31.6050, 37.8835,
6.9635

■ 49.4131, 45.0079,
100.6908

■ 31.4337, 37.8149,
6.0648

■ 49.4138, 45.0082,
100.6908

■ 31.3525, 37.7824,
5.6403

■ 49.4145, 45.0086,
100.6908

Harmonies

Analogous

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



38.6803, 40.0181, 34.7491



36.9434, 40.0181, 35.0553



35.5411, 40.0181, 37.5377

Triad

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



36.9434, 40.0181, 35.0553



35.8658, 40.0181, 51.2963



41.4494, 40.0181, 45.4335

Complementary

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



36.9434, 40.0181, 35.0553



31.1813, 31.6539, 42.9966

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.



40.6450, 40.0181, 50.2226



36.9434, 40.0181, 35.0553



37.3989, 40.0181, 53.7767

Square

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



36.9434, 40.0181, 35.0553



34.9323, 40.0181, 46.8095



39.1499, 40.0181, 53.3693



41.3183, 40.0181, 40.4891

Rectangle

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



36.9434, 40.0181, 35.0553



34.9679, 40.0181, 40.2074



39.1499, 40.0181, 53.3693



41.2785, 40.0181, 47.1211

Sweetspot

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



36.9445, 40.0199, 35.0562



68.1664, 72.4714, 73.3305



33.4484, 33.0265, 33.8906



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.



36.9445, 40.0199, 35.0562



65.5390, 71.4203, 59.5009



34.8483, 38.9392, 34.9581



8.6626, 9.3302, 8.5577



23.6339, 28.4808, 4.2517



0.6575, 0.7923, 0.1183

Inverse Universe

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



31.1813, 31.6539, 42.9966



53.1847, 53.4864, 76.5227



33.1164, 32.6515, 43.0872



7.5791, 7.7573, 10.0505



5.5417, 2.2167, 29.1803



0.1542, 0.0617, 0.8118

Previews

White Background



This preview shows how the XYZ color 36.9434, 40.0181, 35.0553 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 36.9434, 40.0181, 35.0553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

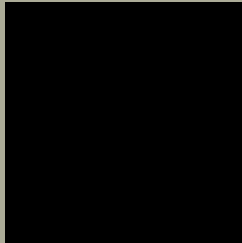
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

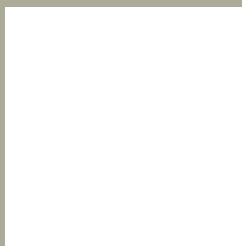
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.9434, 40.0181, 35.0553

Background



This preview shows how black text looks on a background with the XYZ color 36.9434, 40.0181, 35.0553.



This preview shows how white text looks on a background with the XYZ color 36.9434, 40.0181,

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

36.9434, 40.0181, 35.0553

Protanopia

37.8244, 39.9251, 34.5669

Deuteranopia

40.6812, 40.0244, 35.2871



Tritanopia

39.7361, 40.0467, 48.8155

Trichromacy



Original Color

36.9434, 40.0181, 35.0553

Protanomaly

37.5589, 40.0654, 34.6080

Deuteranomaly

39.2534, 40.0948, 35.3760

Tritanomaly

38.6196, 39.8685, 43.1960

Monochromacy



Original Color

36.9434, 40.0181, 35.0553

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.4739, 39.9041, 39.9096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9434, 40.0181, 35.0553 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, 151)` looks like.

```
.text, #text, p{  
    color:rgb(171, 171, 151)  
}
```

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, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 171, 151) }
```

Border

The CSS property to change the border of an element to XYZ 36.9434, 40.0181, 35.0553 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, 151) }
```


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

```
.border{ border-color:rgb(171, 171, 151) }
```

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, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 171, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 171, 151);  
box-shadow:4px 4px 4px 4px rgb(171, 171,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9434, 40.0181, 35.0553 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, 151) }
```

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

```
.background{ background-color: rgb(171,  
171, 151) }
```

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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