

Converting Colors

XYZ(36.5787, 40.8317, 24.4962)

Have a look what the booklet for
XYZ(36.5787, 40.8317, 24.4962)
contains.

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Color

**XYZ(36.5534, 40.9074,
24.3817)**

Conversions

Conversions Part 1

Format	Color
Hex	B0AE7A
RGB	176, 174, 122
RGB Percent	69%, 68%, 48%
CMY	0.3098, 0.3176, 0.5216
CMYK	0.00, 0.01, 0.31, 0.31
HSL	58°, 25%, 58%
HSV	58°, 31%, 69%
XYZ	36.5534, 40.9074, 24.3817
YIQ	168.6700, 17.8840, -15.7480

Conversions

Conversions Part 2

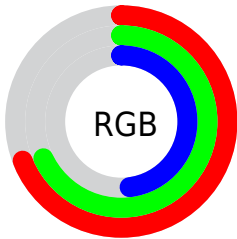
Format	Color
RYB	124, 176, 122
Decimal	11579002
CIELab	70.11, -7.56, 27.02
CIELCh	70, 28.055, 105.633
Yxy	40.9074, 0.3589, 0.4017
Android (android.graphics.Color)	4289769082 (0xFFB0AE7A)
YUV	168.6700, -23.0083, 6.4284
Hunter-Lab	63.9589, -9.9128, 22.1693

Details

The XYZ color **36.5534, 40.9074, 24.3817** is a light color, and the websafe version is hex **999966**. A complement of this color would be **23.0700, 21.6868, 44.0444**, and the grayscale version is **37.6538, 39.6147, 43.1404**.

A 20% lighter version of the original color is **69.0359, 76.2896, 51.6442**, and **16.3305, 18.6111, 9.0349** is the 20% darker color. If you saturate the color by 10%, you get **35.4353, 40.2610, 19.1075**, and if you desaturate by 10%, it is **37.8717, 41.6377, 30.6981**.

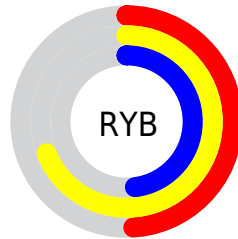
Distribution



Red (69%)

Green (68%)

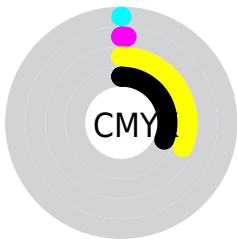
Blue (48%)



Red (49%)

Yellow (69%)

Blue (48%)

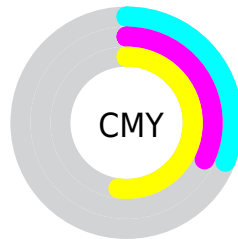


Cyan (0%)

Magenta (1%)

Yellow (31%)

Black (31%)



Cyan (31%)

Magenta (32%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5534, 40.9074, 24.3817 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 36.5534, 40.9074, 24.3817 by changing the saturation by 10% instead.

■ 36.5534, 40.9074,
24.3817

■ 36.5534, 40.9074,
24.3817

322.7621,
349.9334, 288.0930

■ 25.0340, 28.2467,
15.4022

■ 69.2037, 76.5433,
51.6040

■ 16.2312, 18.5117,
8.9524

■ 91.0652, 100.2873,
70.6838

■ 9.7798, 11.3180,
4.6138

■ 117.1049,
128.4946, 93.9676

■ 5.3144, 6.2812,
1.9677

147.6880,
161.5495, 121.8737

■ 2.4695, 3.0168,
0.5353

183.1800,
199.8365, 154.8208

■ 0.8799, 1.1405,
0.0000

223.9461,

■ 0.0000, 0.0123,

243.7398, 193.2273

0.0000

270.3517,
293.6440, 237.5119

■ 0.0000, 0.0000,
0.0000

■ 36.5534, 40.9074,
24.3817

■ 36.5534, 40.9074,
24.3817

■ 35.4353, 40.2610,
19.1075

■ 37.8717, 41.6377,
30.6981

■ 34.5036, 39.6888,
14.8166

■ 39.3970, 42.4503,
38.1059

■ 33.7477, 39.1878,
11.4484

■ 41.1396, 43.3508,
46.6547

■ 33.1546, 38.7530,
8.9346

■ 43.1080, 44.3426,
56.3898

■ 32.7096, 38.3783,
7.1973

■ 45.3104, 45.4290,
67.3545

■ 32.3951, 38.0568,
6.1444

■ 47.7547, 46.6131,
79.5895

■ 32.1851, 37.7913,
5.5981

■ 50.4482, 47.8979,
93.1341

■ 52.1162, 48.7735,
101.2751

■ 52.2470, 49.0352,
101.3188

Harmonies

Analogous

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



41.1101, 40.9074, 24.2851



36.5534, 40.9074, 24.3817



32.9129, 40.9074, 29.1154

Triad

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



36.5534, 40.9074, 24.3817



33.0364, 40.9074, 65.1403



48.0628, 40.9074, 51.1047

Complementary

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



36.5534, 40.9074, 24.3817



23.0700, 21.6868, 44.0444

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.



45.5308, 40.9074, 64.6329



36.5534, 40.9074, 24.3817



36.7344, 40.9074, 73.7525

Square

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



36.5534, 40.9074, 24.3817



30.9938, 40.9074, 51.6981



41.3059, 40.9074, 73.5504



48.0047, 40.9074, 38.0774

Rectangle

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



36.5534, 40.9074, 24.3817



31.3903, 40.9074, 34.9148



41.3059, 40.9074, 73.5504



47.4782, 40.9074, 55.7919

Sweetspot

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



36.5544, 40.9092, 24.3826



71.9089, 77.2292, 71.3378



28.5469, 24.6227, 22.5503



15.4914, 16.6885, 15.0083



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.



36.5544, 40.9092, 24.3826



64.8468, 73.3620, 37.3631



31.9313, 39.1024, 24.2775



9.1696, 9.8517, 9.0708



23.6246, 27.7477, 4.1107



0.7516, 0.8896, 0.1321

Inverse Universe

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



23.0700, 21.6868, 44.0444



36.3633, 32.7601, 78.9021



26.7039, 23.1927, 44.1435



8.0663, 8.2788, 10.6792



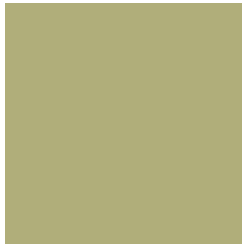
5.8111, 2.4226, 30.2983



0.1911, 0.0928, 0.9561

Previews

White Background



This preview shows how the XYZ color 36.5534, 40.9074, 24.3817 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 36.5534, 40.9074, 24.3817 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

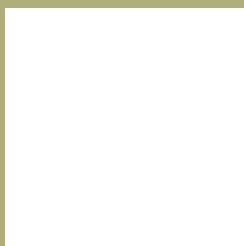
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.5534, 40.9074, 24.3817

Background



This preview shows how black text looks on a background with the XYZ color 36.5534, 40.9074, 24.3817.



This preview shows how white text looks on a background with the XYZ color 36.5534, 40.9074,

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

36.5534, 40.9074, 24.3817

Protanopia

38.0217, 40.8206, 23.9644

Deuteranopia

41.5422, 40.7027, 24.7357



Tritanopia

41.5854, 41.0000, 48.9020

Trichromacy



Original Color

36.5534, 40.9074, 24.3817

Protanomaly

37.4951, 40.8306, 23.9941

Deuteranomaly

39.5701, 40.7728, 24.5233

Tritanomaly

39.4551, 40.9560, 38.6267

Monochromacy



Original Color

36.5534, 40.9074, 24.3817

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.2437, 40.1635, 35.4951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5534, 40.9074, 24.3817 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(176, 174, 122)` looks like.

```
.text, #text, p{  
    color:rgb(176, 174, 122)  
}
```

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(176, 174, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 174, 122) }
```

Border

The CSS property to change the border of an element to XYZ 36.5534, 40.9074, 24.3817 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(176, 174, 122) }
```


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

```
.border{ border-color:rgb(176, 174, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 174, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 174, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 174, 122);  
box-shadow:4px 4px 4px 4px rgb(176, 174,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5534, 40.9074, 24.3817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 174, 122) }
```

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

```
.background{ background-color: rgb(176,  
174, 122) }
```

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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