

Converting Colors

XYZ(36.7672, 35.3003, 30.4670)

Have a look what the booklet for
XYZ(36.7672, 35.3003, 30.4670)
contains.

XYZ(36.7672, 35.3003, 30.4670)	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(36.7672, 35.3003,
30.4670)**

Conversions

Conversions Part 1

Format	Color
Hex	BB998E
RGB	187, 153, 142
RGB Percent	73%, 60%, 56%
CMY	0.2667, 0.4000, 0.4431
CMYK	0.00, 0.18, 0.24, 0.27
HSL	15°, 25%, 65%
HSV	15°, 24%, 73%
XYZ	36.7672, 35.3003, 30.4670
YIQ	161.9120, 23.7950, 3.7870

Conversions

Conversions Part 2

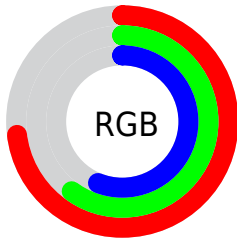
Format	Color
RYB	187, 157, 142
Decimal	12294542
CIELab	65.98, 10.95, 10.53
CIElCh	66, 15.191, 43.903
Yxy	35.3003, 0.3586, 0.3443
Android (android.graphics.Color)	4290484622 (0xFFBB998E)
YUV	161.9120, -9.8166, 22.0022
Hunter-Lab	59.4141, 6.4866, 11.1865

Details

The XYZ color **36.7672, 35.3003, 30.4670** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **35.6498, 40.3880, 52.9304**, and the grayscale version is **34.3390, 36.1273, 39.3426**.

A 20% lighter version of the original color is **69.5849, 67.8443, 61.6523**, and **16.3560, 15.2620, 12.2090** is the 20% darker color. If you saturate the color by 10%, you get **33.3025, 30.4323, 22.9567**, and if you desaturate by 10%, it is **40.7432, 40.8134, 39.3106**.

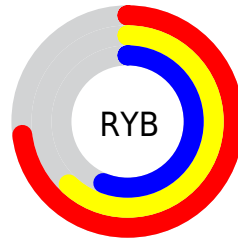
Distribution



Red (73%)

Green (60%)

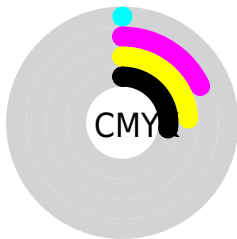
Blue (56%)



Red (73%)

Yellow (62%)

Blue (56%)

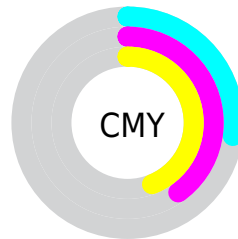


Cyan (0%)

Magenta (18%)

Yellow (24%)

Black (27%)



Cyan (27%)


Magenta (40%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7672, 35.3003, 30.4670 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 36.7672, 35.3003, 30.4670 by changing the saturation by 10% instead.

 36.7672, 35.3003,
30.4670


 36.7672, 35.3003,
30.4670


323.6746,
325.8919, 318.3500


 25.2001, 23.8943,
19.9383


 69.5308, 67.9507,
61.4696

 16.3558, 15.2552,
12.1665


 91.4580, 89.9639,
82.7806

 9.8687, 8.9987,
6.7333


 117.5693,
116.2816, 108.5228

 5.3736, 4.7403,
3.2200

148.2300,
147.2883, 139.1147

 2.5051, 2.0957,
1.2080

183.8056,
183.3682, 174.9748

 0.8978, 0.6622,
0.0000

224.6613,

 0.0000, 0.0000,

224.9059, 216.5217

0.0000

271.1625,
272.2856, 264.1739

■ 36.7672, 35.3003,
30.4670

■ 36.7672, 35.3003,
30.4670

■ 33.3025, 30.4323,
22.9567

■ 40.7432, 40.8134,
39.3106

■ 30.3249, 26.1807,
16.7125

■ 45.2475, 46.9891,
49.5459

■ 27.8127, 22.5219,
11.6645

■ 50.3001, 53.8504,
61.2304

■ 25.7410, 19.4290,
7.7354

■ 55.9188, 61.4177,
74.4177

■ 24.0826, 16.8727,
4.8383

■ 62.1208, 69.7106,
89.1589

■ 22.8071, 14.8211,
2.8737

■ 68.9223, 78.7477,
105.5022

■ 21.8790, 13.2382,
1.7218

■ 73.3211, 87.3400,
107.6016

■ 21.4599, 12.4976,
1.2812

■ 74.3035, 89.3048,
107.9291

Harmonies

Analogous

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



37.9300, 35.3003, 35.5345



36.7672, 35.3003, 30.4670



34.7660, 35.3003, 27.7164

Triad

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



36.7672, 35.3003, 30.4670



29.5637, 35.3003, 35.1014



34.6024, 35.3003, 51.7642

Complementary

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



36.7672, 35.3003, 30.4670



35.6498, 40.3880, 52.9304

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.



32.3664, 35.3003, 51.6146



36.7672, 35.3003, 30.4670



29.5244, 35.3003, 41.4913

Square

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



36.7672, 35.3003, 30.4670



30.6398, 35.3003, 30.1806



30.5297, 35.3003, 47.6860



36.6428, 35.3003, 48.0743

Rectangle

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



36.7672, 35.3003, 30.4670



33.2582, 35.3003, 27.3505



30.5297, 35.3003, 47.6860



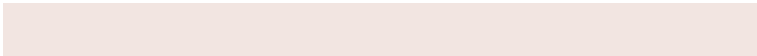
33.8473, 35.3003, 52.1730

Sweetspot

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



36.7681, 35.3019, 30.4677



78.4754, 80.6557, 82.8756



38.0528, 33.0656, 45.7110



17.1724, 17.6123, 18.0018



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



36.7681, 35.3019, 30.4677



62.3856, 58.3712, 47.0072



40.7061, 43.1779, 31.7804



9.7146, 9.9052, 9.9765



14.8347, 8.7081, 0.8990



0.6343, 0.4476, 0.0530

Inverse Universe

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



35.6498, 40.3880, 52.9304



60.0217, 69.0850, 94.3727



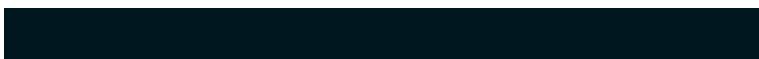
31.6809, 32.4503, 51.6075



9.6056, 10.4035, 12.1740



12.8294, 15.7705, 34.7607



0.5508, 0.7143, 1.3777

Previews

White Background



This preview shows how the XYZ color 36.7672, 35.3003, 30.4670 looks on a white background.

Color Contrast Check

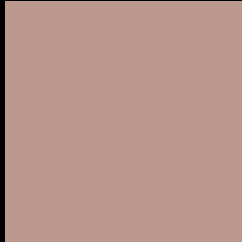
Large Text (above 18pt) WCAG AA × Fail

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 36.7672, 35.3003, 30.4670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

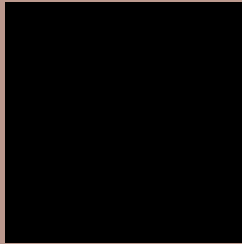
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.7672, 35.3003, 30.4670

Background



This preview shows how black text looks on a background with the XYZ color 36.7672, 35.3003, 30.4670.



This preview shows how white text looks on a background with the XYZ color 36.7672, 35.3003,

30.4670.

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

36.7672, 35.3003, 30.4670

Protanopia

33.6955, 35.4324, 32.2573

Deuteranopia

36.1323, 35.4630, 30.5318



Tritanopia

38.4142, 35.2401, 38.9598

Trichromacy



Original Color

36.7672, 35.3003, 30.4670

Protanomaly

34.6234, 35.1569, 31.7492

Deuteranomaly

36.2053, 35.2545, 30.4878

Tritanomaly

37.7220, 35.1911, 35.8147

Monochromacy



Original Color

36.7672, 35.3003, 30.4670

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

35.1091, 35.8208, 36.0740

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7672, 35.3003, 30.4670 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(187, 153, 142)` looks like.

```
.text, #text, p{  
    color:rgb(187, 153, 142)  
}
```

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(187, 153, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 153, 142) }
```

Border

The CSS property to change the border of an element to XYZ 36.7672, 35.3003, 30.4670 is called "border". The border property can be set on classes, ids or directly on the HTML element.

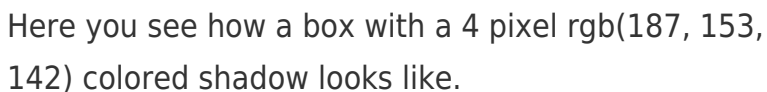
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 153, 142) }
```


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

```
.border{ border-color:rgb(187, 153, 142) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 153, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 153, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 153, 142); box-shadow:4px 4px 4px 4px rgb(187, 153, 142) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7672, 35.3003, 30.4670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 153, 142) }
```

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

```
.background{ background-color: rgb(187,  
153, 142) }
```

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