

Converting Colors

XYZ(47.6735, 49.9853, 37.2725)

Have a look what the booklet for
XYZ(47.6735, 49.9853, 37.2725)
contains.

XYZ(47.6658, 49.9743, 37.2707)	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(47.6658, 49.9743,
37.2707)**

Conversions

Conversions Part 1

Format	Color
Hex	CABA99
RGB	202, 186, 153
RGB Percent	79%, 73%, 60%
CMY	0.2078, 0.2706, 0.4000
CMYK	0.00, 0.08, 0.24, 0.21
HSL	40°, 32%, 70%
HSV	40°, 24%, 79%
XYZ	47.6658, 49.9743, 37.2707
YIQ	187.0220, 20.1290, -6.8710

Conversions

Conversions Part 2

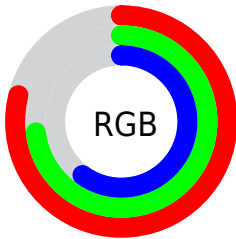
Format	Color
RYB	177, 202, 153
Decimal	13286041
CIELab	76.05, 0.46, 18.81
CIElCh	76, 18.814, 88.588
Yxy	49.9743, 0.3533, 0.3704
Android (android.graphics.Color)	4291476121 (0xFFCABA99)
YUV	187.0220, -16.7728, 13.1357
Hunter-Lab	70.6925, -3.3548, 18.2257

Details

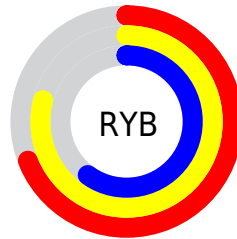
The XYZ color **47.6658, 49.9743, 37.2707** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.9852, 39.4114, 61.4825**, and the grayscale version is **47.3313, 49.7962, 54.2281**.

A 20% lighter version of the original color is **84.2546, 89.2693, 71.8215**, and **22.8184, 23.9374, 15.9881** is the 20% darker color. If you saturate the color by 10%, you get **44.7798, 46.6498, 28.7626**, and if you desaturate by 10%, it is **50.9011, 53.5445, 47.2898**.

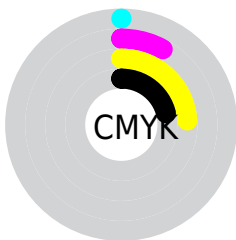
Distribution



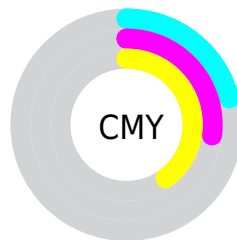
- Red (79%)
- Green (73%)
- Blue (60%)



- Red (69%)
- Yellow (79%)
- Blue (60%)



- Cyan (0%)
- Magenta (8%)
- Yellow (24%)
- Black (21%)





- Cyan (21%)
- Magenta (27%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6658, 49.9743, 37.2707 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 47.6658, 49.9743, 37.2707 by changing the saturation by 10% instead.


 47.6658, 49.9743,
37.2707


 47.6658, 49.9743,
37.2707


368.0706,
386.5654, 349.6849

 33.7725, 35.3930,
25.1197


 85.9193, 90.1368,
72.1799

 22.8809, 23.9657,
15.9464


 111.0102,
116.4868, 95.7752

 14.6258, 15.3082,
9.3323


140.5643,
147.5284, 124.0224

 8.6418, 9.0360,
4.8588

174.9470,
183.6461, 157.3399

 4.5635, 4.7647,
2.1074

214.5236,
225.2243, 196.1464

 2.0256, 2.1099,
0.6202

259.6595,

 0.6483, 0.6702,

272.6473, 240.8604

0.0000

310.7200,
326.2995, 291.9004

■ 0.0000, 0.0000,
0.0000

■ 47.6658, 49.9743,
37.2707

■ 47.6658, 49.9743,
37.2707

■ 44.7798, 46.6498,
28.7626

■ 50.9011, 53.5445,
47.2898

■ 42.2240, 43.5569,
21.6873

■ 54.4957, 57.3607,
58.8868

■ 39.9834, 40.6899,
15.9640

■ 58.4642, 61.4317,
72.1280

■ 38.0400, 38.0402,
11.5030

■ 62.8190, 65.7637,
87.0753

■ 36.3740, 35.5984,
8.2030

■ 67.5721, 70.3628,
103.7873

■ 34.9622, 33.3537,
5.9476

■ 69.4867, 73.9356,
105.2164

■ 33.7768, 31.2935,
4.5952

■ 71.3100, 77.5821,
105.8242

■ 33.1697, 30.1817,
4.0774

■ 73.2029, 81.3680,
106.4551

■ 75.1662, 85.2947,
107.1096

Harmonies

Analogous

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



51.1083, 49.9743, 39.5134



47.6658, 49.9743, 37.2707



44.3388, 49.9743, 39.1293

Triad

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



47.6658, 49.9743, 37.2707



41.8097, 49.9743, 64.2080



53.5020, 49.9743, 65.1348

Complementary

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



47.6658, 49.9743, 37.2707



37.9852, 39.4114, 61.4825

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.



50.8061, 49.9743, 73.2350



47.6658, 49.9743, 37.2707



44.0639, 49.9743, 72.6551

Square

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



47.6658, 49.9743, 37.2707



41.0596, 49.9743, 53.9380



47.3327, 49.9743, 76.1412



54.5789, 49.9743, 54.8918

Rectangle

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



47.6658, 49.9743, 37.2707



42.6098, 49.9743, 42.5911



47.3327, 49.9743, 76.1412



52.7487, 49.9743, 68.2433

Sweetspot

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



47.6671, 49.9766, 37.2717



90.4772, 95.2416, 93.8505



42.9416, 38.2167, 42.8142



19.2846, 20.3000, 19.8241



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



47.6671, 49.9766, 37.2717



78.1223, 81.6716, 55.3897



49.0760, 55.9886, 38.3579



11.8332, 12.4553, 11.8599



21.4283, 19.5896, 2.6518



1.1728, 1.1452, 0.1592

Inverse Universe

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



37.9852, 39.4114, 61.4825



58.9946, 60.8035, 103.2346



36.7840, 34.6418, 60.6251



10.8959, 11.4321, 14.2027



8.1842, 5.3924, 36.5657



0.4913, 0.4165, 1.9094

Previews

White Background



This preview shows how the XYZ color 47.6658, 49.9743, 37.2707 looks on a white background.

Color Contrast Check

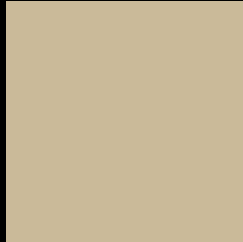
Large Text (above 18pt) WCAG AA × Fail

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 47.6658, 49.9743, 37.2707 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

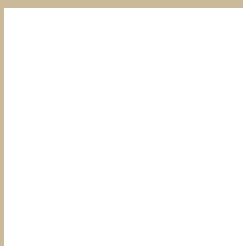
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.6658, 49.9743, 37.2707

Background



This preview shows how black text looks on a background with the XYZ color 47.6658, 49.9743, 37.2707.



This preview shows how white text looks on a background with the XYZ color 47.6658, 49.9743,

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

47.6658, 49.9743, 37.2707

Protanopia

46.8918, 49.8795, 37.7281

Deuteranopia

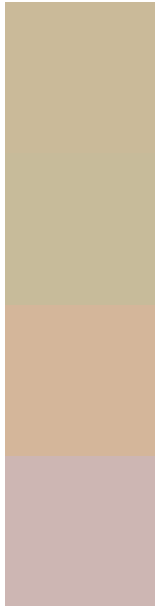
50.7693, 49.7273, 37.4944



Tritanopia

51.7910, 49.8030, 57.9222

Trichromacy



Original Color

47.6658, 49.9743, 37.2707

Protanomaly

47.1562, 50.0159, 37.7405

Deuteranomaly

49.7121, 49.7860, 37.5614

Tritanomaly

50.0415, 49.6897, 49.6014

Monochromacy



Original Color

47.6658, 49.9743, 37.2707

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.2464, 49.8423, 47.6878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6658, 49.9743, 37.2707 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(202, 186, 153)` looks like.

```
.text, #text, p{  
    color:rgb(202, 186, 153)  
}
```

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(202, 186, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 186, 153) }
```

Border

The CSS property to change the border of an element to XYZ 47.6658, 49.9743, 37.2707 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(202, 186, 153) }
```


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

```
.border{ border-color:rgb(202, 186, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 186, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 186, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 186, 153);  
box-shadow:4px 4px 4px 4px rgb(202, 186,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6658, 49.9743, 37.2707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 186, 153) }
```

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

```
.background{ background-color: rgb(202,  
186, 153) }
```

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