

Converting Colors

XYZ(37.7521, 33.5743, 43.0398)

Have a look what the booklet for
XYZ(37.7521, 33.5743, 43.0398)
contains.

XYZ(37.7258, 33.6302, 43.0310)	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(37.7258, 33.6302,
43.0310)**

Conversions

Conversions Part 1

Format	Color
Hex	BA91AB
RGB	186, 145, 171
RGB Percent	73%, 57%, 67%
CMY	0.2706, 0.4314, 0.3294
CMYK	0.00, 0.22, 0.08, 0.27
HSL	322°, 23%, 65%
HSV	322°, 22%, 73%
XYZ	37.7258, 33.6302, 43.0310
YIQ	160.2230, 16.0900, 16.7780

Conversions

Conversions Part 2

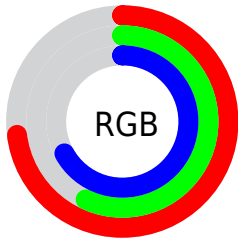
Format	Color
RYB	186, 145, 171
Decimal	12226987
CIELab	64.67, 19.75, -7.69
CIELCh	65, 21.191, 338.730
Yxy	33.6302, 0.3298, 0.2940
Android (android.graphics.Color)	4290417067 (0xFFBA91AB)
YUV	160.2230, 5.3131, 22.6064
Hunter-Lab	57.9916, 14.6361, -3.4004

Details

The XYZ color **37.7258, 33.6302, 43.0310** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.5825, 43.6766, 39.8148**, and the grayscale version is **33.4883, 35.2323, 38.3680**.

A 20% lighter version of the original color is **70.7688, 65.2151, 80.8094**, and **16.8482, 14.2429, 19.3139** is the 20% darker color. If you saturate the color by 10%, you get **34.4811, 28.1520, 38.8311**, and if you desaturate by 10%, it is **41.4712, 40.0554, 47.5634**.

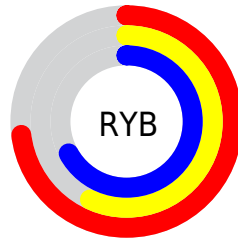
Distribution



Red (73%)

Green (57%)

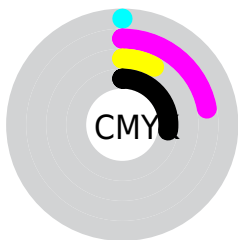
Blue (67%)



Red (73%)

Yellow (57%)

Blue (67%)

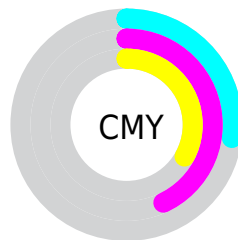


Cyan (0%)

Magenta (22%)

Yellow (8%)

Black (27%)



Cyan (27%)


Magenta (43%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7258, 33.6302, 43.0310 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 37.7258, 33.6302, 43.0310 by changing the saturation by 10% instead.


 37.7258, 33.6302,
43.0310


 37.7258, 33.6302,
43.0310

327.7435,
318.4800, 374.6642

 25.9462, 22.6097,
29.5779


 70.9943, 65.3582,
81.0445

 16.9159, 14.3055,
19.2691


 93.2139, 86.8344,
106.4419

 10.2694, 8.3335,
11.6861


119.6441,
112.5647, 136.6579

 5.6416, 4.3091,
6.4104

150.6505,
142.9333, 172.1109

 2.6670, 1.8479,
3.0234

186.5982,
178.3248, 213.2195

 0.9802, 0.5168,
1.1066

227.8527,

 0.0000, 0.0000,

219.1235, 260.4022

0.0000

274.7794,
265.7137, 314.0776

■ 37.7258, 33.6302,
43.0310

■ 37.7258, 33.6302,
43.0310

■ 34.4811, 28.1520,
38.8311

■ 41.4712, 40.0554,
47.5634

■ 31.7110, 23.5708,
34.9514

■ 45.7359, 47.4654,
52.4356

■ 29.3915, 19.8389,
31.3817

■ 50.5411, 55.9015,
57.6577

■ 27.4952, 16.9024,
28.1104

■ 55.9060, 65.4013,
63.2381

■ 25.9916, 14.7009,
25.1246

■ 61.8488, 76.0003,
69.1853

■ 24.8456, 13.1657,
22.4100

■ 67.8726, 86.7043,
75.3359

■ 24.0159, 12.2145,
19.9500

■ 68.7487, 87.0547,
79.9490

■ 23.5167, 11.7459,
18.1505

■ 69.6613, 87.4198,
84.7549

■ 70.6110, 87.7996,
89.7559

Harmonies

Analogous

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



35.7622, 33.6302, 51.2879



37.7258, 33.6302, 43.0310



38.0960, 33.6302, 34.1354

Triad

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



37.7258, 33.6302, 43.0310



31.0856, 33.6302, 22.4404



27.6187, 33.6302, 48.1194

Complementary

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



37.7258, 33.6302, 43.0310



35.5825, 43.6766, 39.8148

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.



26.5290, 33.6302, 39.2172



37.7258, 33.6302, 43.0310



28.4457, 33.6302, 25.0511

Square

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



37.7258, 33.6302, 43.0310



34.1318, 33.6302, 23.1300



26.8218, 33.6302, 30.8753



29.8910, 33.6302, 54.5343

Rectangle

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



37.7258, 33.6302, 43.0310



37.3680, 33.6302, 29.1470



26.8218, 33.6302, 30.8753



27.1087, 33.6302, 45.2667

Sweetspot

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



37.7268, 33.6317, 43.0317



78.8551, 78.9890, 90.4818



33.3573, 31.2045, 50.7198



17.2631, 17.2173, 19.8087



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.



37.7268, 33.6317, 43.0317



65.6903, 56.3933, 74.5820



35.9744, 32.9308, 33.8040



9.2377, 9.1055, 10.5993



15.8582, 7.9170, 12.4058



0.5877, 0.2906, 0.5883

Inverse Universe

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



37.7268, 33.6317, 43.0317



65.6903, 56.3933, 74.5820



37.4600, 44.4276, 49.7017



9.2377, 9.1055, 10.5993



15.8582, 7.9170, 12.4058



0.5877, 0.2906, 0.5883

Previews

White Background



This preview shows how the XYZ color 37.7258, 33.6302, 43.0310 looks on a white background.

Color Contrast Check

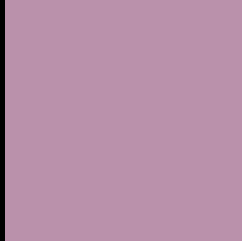
Large Text (above 18pt) WCAG AA × Fail

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 37.7258, 33.6302, 43.0310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

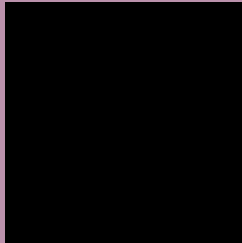
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7258, 33.6302, 43.0310

Background



This preview shows how black text looks on a background with the XYZ color 37.7258, 33.6302, 43.0310.



This preview shows how white text looks on a background with the XYZ color 37.7258, 33.6302,

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

37.7258, 33.6302, 43.0310

Protanopia

33.2508, 33.8613, 46.9029

Deuteranopia

34.5833, 33.9002, 42.7509



Tritanopia

36.4589, 33.5610, 37.3572

Trichromacy



Original Color

37.7258, 33.6302, 43.0310

Protanomaly

34.6920, 33.6586, 45.2257

Deuteranomaly

35.6176, 33.7136, 42.6603

Tritanomaly

36.8973, 33.5164, 39.1749

Monochromacy



Original Color

37.7258, 33.6302, 43.0310

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

34.7844, 34.5580, 39.9590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7258, 33.6302, 43.0310 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(186, 145, 171)` looks like.

```
.text, #text, p{  
    color:rgb(186, 145, 171)  
}
```

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(186, 145, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 145, 171) }
```

Border

The CSS property to change the border of an element to XYZ 37.7258, 33.6302, 43.0310 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(186, 145, 171) }
```


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

```
.border{ border-color:rgb(186, 145, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 145, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 145, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 145, 171);  
box-shadow:4px 4px 4px 4px rgb(186, 145,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7258, 33.6302, 43.0310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 145, 171) }
```

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

```
.background{ background-color: rgb(186,  
145, 171) }
```

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