

Converting Colors

XYZ(36.7837, 36.7920, 38.1364)

Have a look what the booklet for
XYZ(36.7837, 36.7920, 38.1364)
contains.

XYZ(36.7333, 36.8749, 37.9824)	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(36.7333, 36.8749,
37.9824)**

Conversions

Conversions Part 1

Format	Color
Hex	B0A09F
RGB	176, 160, 159
RGB Percent	69%, 63%, 62%
CMY	0.3098, 0.3725, 0.3765
CMYK	0.00, 0.09, 0.10, 0.31
HSL	4°, 10%, 66%
HSV	4°, 10%, 69%
XYZ	36.7333, 36.8749, 37.9824
YIQ	164.6700, 9.8570, 3.0810

Conversions

Conversions Part 2

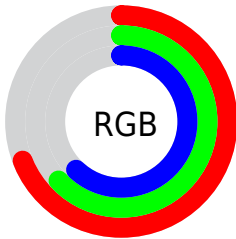
Format	Color
R_{YB}	176, 160, 159
Decimal	11575455
CIE _{Lab}	67.18, 5.66, 2.63
CIE _{LCh}	67, 6.237, 24.935
Yxy	36.8749, 0.3292, 0.3304
Android (android.graphics.Color)	4289765535 (0xFFB0A09F)
YUV	164.6700, -2.7953, 9.9364
Hunter-Lab	60.7247, 1.7091, 5.4223

Details

The XYZ color **36.7333, 36.8749, 37.9824** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.4644, 41.1647, 47.0457**, and the grayscale version is **35.6166, 37.4715, 40.8064**.

A 20% lighter version of the original color is **69.7167, 70.6117, 73.5733**, and **16.3438, 16.2309, 16.4588** is the 20% darker color. If you saturate the color by 10%, you get **32.6314, 30.9433, 29.6089**, and if you desaturate by 10%, it is **41.4373, 43.6617, 47.6305**.

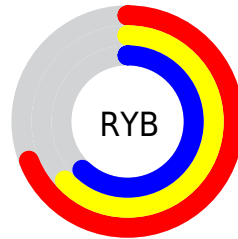
Distribution



Red (69%)

Green (63%)

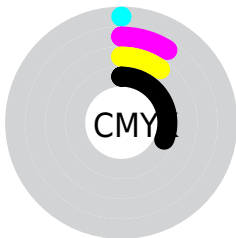
Blue (62%)



Red (69%)

Yellow (63%)

Blue (62%)

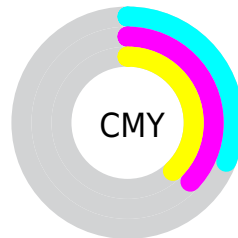


Cyan (0%)

Magenta (9%)

Yellow (10%)

Black (31%)



Cyan (31%)

Magenta (37%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7333, 36.8749, 37.9824 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 36.7333, 36.8749, 37.9824 by changing the saturation by 10% instead.

■ 36.7333, 36.8749,
37.9824

■ 36.7333, 36.8749,
37.9824

323.5300,
332.7686, 352.8404

■ 25.1738, 25.1106,
25.6673

■ 69.4789, 70.3803,
73.2843

■ 16.3360, 16.1595,
16.3514

■ 91.3957, 92.8903,
97.1082

■ 9.8546, 9.6371,
9.6161

117.4957,
119.7510, 125.6054

■ 5.3642, 5.1590,
5.0429

148.1441,
151.3467, 159.1944

■ 2.4994, 2.3409,
2.2133

183.7064,
188.0620, 198.2940

■ 0.8950, 0.7952,
0.6820

224.5479,

■ 0.0000, 0.0000,

230.2811, 243.3224

0.0000

271.0340,
278.3885, 294.6984

■ 36.7333, 36.8749,
37.9824

■ 36.7333, 36.8749,
37.9824

■ 32.6314, 30.9433,
29.6089

■ 41.4373, 43.6617,
47.6305

■ 29.1042, 25.8285,
22.4543

■ 46.7631, 51.3306,
58.6007

■ 26.1271, 21.4959,
16.4626

■ 52.7332, 59.9134,
70.9412

■ 23.6723, 17.9072,
11.5723

■ 59.3682, 69.4389,
84.6970

■ 21.7097, 15.0204,
7.7164

■ 66.6878, 79.9345,
99.9110

■ 20.2059, 12.7896,
4.8204

■ 71.7147, 87.9702,
107.8079

■ 19.1235, 11.1632,
2.7999

■ 18.4193, 10.0821,
1.5561

■ 18.0271, 9.4697,
0.8949

Harmonies

Analogous

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



36.9021, 36.8749, 40.6147



36.7333, 36.8749, 37.9824



36.1098, 36.8749, 36.0139

Triad

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



36.7333, 36.8749, 37.9824



33.5727, 36.8749, 37.2157



34.8873, 36.8749, 45.5975

Complementary

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



36.7333, 36.8749, 37.9824



37.4644, 41.1647, 47.0457

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.



34.0082, 36.8749, 44.5923



36.7333, 36.8749, 37.9824



33.2580, 36.8749, 39.6898

Square

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



36.7333, 36.8749, 37.9824



34.2830, 36.8749, 35.5855



33.4160, 36.8749, 42.3996



35.8252, 36.8749, 45.0901

Rectangle

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



36.7333, 36.8749, 37.9824



35.5260, 36.8749, 35.3018



33.4160, 36.8749, 42.3996



34.5752, 36.8749, 45.4240

Sweetspot

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



36.7343, 36.8765, 37.9832



72.1337, 74.8341, 80.1828



38.0557, 37.1279, 45.7958



15.4831, 16.0023, 17.0703



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.



36.7343, 36.8765, 37.9832



64.6232, 63.9915, 64.7979



38.2303, 39.8685, 38.4818



8.5353, 8.5831, 8.8594



13.2349, 6.9683, 0.6475



0.4297, 0.2457, 0.0248

Inverse Universe

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



37.4644, 41.1647, 47.0457



66.2681, 73.6541, 85.2193



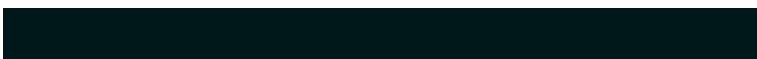
35.8897, 38.0154, 46.5208



8.6989, 9.5439, 10.8900



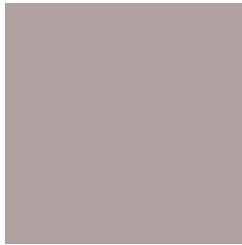
15.7188, 22.2380, 33.6009



0.5075, 0.7254, 1.0615

Previews

White Background



This preview shows how the XYZ color 36.7333, 36.8749, 37.9824 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 36.7333, 36.8749, 37.9824 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 36.7333, 36.8749, 37.9824

Background



This preview shows how black text looks on a background with the XYZ color 36.7333, 36.8749, 37.9824.



This preview shows how white text looks on a background with the XYZ color 36.7333, 36.8749,

37.9824.

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

36.7333, 36.8749, 37.9824

Protanopia

35.4666, 36.9831, 38.9874

Deuteranopia

37.5409, 36.7807, 37.9216



Tritanopia

37.9376, 36.8590, 43.6430

Trichromacy



Original Color

36.7333, 36.8749, 37.9824

Protanomaly

35.8431, 36.9248, 38.4958

Deuteranomaly

37.2466, 36.8832, 37.9569

Tritanomaly

37.5047, 36.9334, 41.7114

Monochromacy



Original Color

36.7333, 36.8749, 37.9824

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.0702, 37.2737, 39.9438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7333, 36.8749, 37.9824 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, 160, 159)` looks like.

```
.text, #text, p{  
    color:rgb(176, 160, 159)  
}
```

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, 160, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 160, 159) }
```

Border

The CSS property to change the border of an element to XYZ 36.7333, 36.8749, 37.9824 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, 160, 159) }
```


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

```
.border{ border-color:rgb(176, 160, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 160, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 160, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 160, 159);  
box-shadow:4px 4px 4px 4px rgb(176, 160,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7333, 36.8749, 37.9824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 160, 159) }
```

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

```
.background{ background-color: rgb(176,  
160, 159) }
```

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