

Converting Colors

XYZ(37.2613, 38.9093, 41.7372)

Have a look what the booklet for
XYZ(37.2613, 38.9093, 41.7372)
contains.

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Color

**XYZ(37.2792, 38.9367,
41.6271)**

Conversions

Conversions Part 1

Format	Color
Hex	AAA7A6
RGB	170, 167, 166
RGB Percent	67%, 65%, 65%
CMY	0.3333, 0.3451, 0.3490
CMYK	0.00, 0.02, 0.02, 0.33
HSL	15°, 2%, 66%
HSV	15°, 2%, 67%
XYZ	37.2792, 38.9367, 41.6271
YIQ	167.7830, 2.1090, 0.3250

Conversions

Conversions Part 2

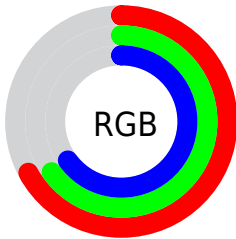
Format	Color
RYB	170, 167, 166
Decimal	11184038
CIELab	68.71, 0.89, 0.89
CIELCh	69, 1.256, 44.952
Yxy	38.9367, 0.3163, 0.3304
Android (android.graphics.Color)	4289374118 (0xFFAAA7A6)
YUV	167.7830, -0.8790, 1.9443
Hunter-Lab	62.3993, -2.5575, 4.1266

Details

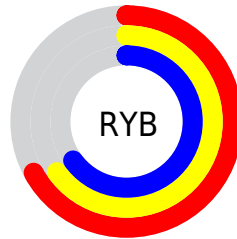
The XYZ color **37.2792, 38.9367, 41.6271** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.1694, 39.3845, 43.6735**, and the grayscale version is **37.1174, 39.0504, 42.5259**.

A 20% lighter version of the original color is **70.2238, 73.4706, 78.8867**, and **16.6392, 17.3279, 18.3872** is the 20% darker color. If you saturate the color by 10%, you get **33.6025, 33.9159, 33.2096**, and if you desaturate by 10%, it is **41.3941, 44.5030, 51.2087**.

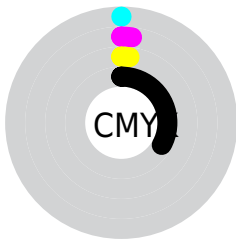
Distribution



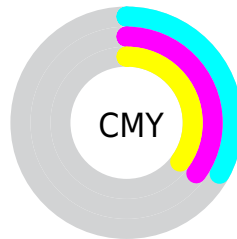
- Red (67%)
- Green (65%)
- Blue (65%)



- Red (67%)
- Yellow (65%)
- Blue (65%)



- Cyan (0%)
- Magenta (2%)
- Yellow (2%)
- Black (33%)



- Cyan (33%)
- Magenta (35%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2792, 38.9367, 41.6271 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 37.2792, 38.9367, 41.6271 by changing the saturation by 10% instead.

■ 37.2792, 38.9367,
41.6271

■ 37.2792, 38.9367,
41.6271

325.8523,
341.6213, 368.6887

■ 25.5984, 26.7105,
28.4860

■ 70.3130, 73.5416,
78.8989

■ 16.6545, 17.3559,
18.4501

■ 92.3968, 96.6891,
103.8668

■ 10.0823, 10.4886,
11.1009

118.6789,
124.2458, 133.6139

■ 5.5162, 5.7241,
6.0197

149.5247,
156.5961, 168.5590

■ 2.5911, 2.6780,
2.7881

185.2996,
194.1244, 209.1205

■ 0.9414, 0.9661,
0.9875

226.3689,

■ 0.0000, 0.0000,

237.2151, 255.7169

0.0000

273.0981,
286.2526, 308.7668

■ 37.2792, 38.9367,
41.6271

■ 37.2792, 38.9367,
41.6271

■ 33.6025, 33.9159,
33.2096

■ 41.3941, 44.5030,
51.2087

■ 30.3462, 29.4191,
25.9092

■ 45.9578, 50.6254,
61.9939

■ 27.4957, 25.4307,
19.6794

■ 50.9847, 57.3207,
74.0234

■ 25.0346, 21.9324,
14.4694

■ 56.4875, 64.6033,
87.3355

■ 22.9454, 18.9051,
10.2244

■ 62.4786, 72.4873,
101.9666

■ 21.2090, 16.3280,
6.8844

■ 66.8048, 80.1202,
106.5515

■ 19.8046, 14.1789,
4.3824

■ 70.3877, 87.2861,
107.7458

■ 18.7089, 12.4336,
2.6422

■ 17.8953, 11.0650,
1.5734

Harmonies

Analogous

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



37.3785, 38.9367, 42.1138



37.2792, 38.9367, 41.6271



37.1074, 38.9367, 41.3476

Triad

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



37.2792, 38.9367, 41.6271



36.6404, 38.9367, 42.1120



37.1068, 38.9367, 43.4614

Complementary

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



37.2792, 38.9367, 41.6271



37.1694, 39.3845, 43.6735

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.



36.9091, 38.9367, 43.4609



37.2792, 38.9367, 41.6271



36.6403, 38.9367, 42.6784

Square

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



37.2792, 38.9367, 41.6271



36.7389, 38.9367, 41.6258



36.7384, 38.9367, 43.1732



37.2787, 38.9367, 43.1745

Rectangle

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



37.2792, 38.9367, 41.6271



36.9752, 38.9367, 41.3147



36.7384, 38.9367, 43.1732



37.0412, 38.9367, 43.4949

Sweetspot

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



37.2803, 38.9384, 41.6279



68.5903, 71.9388, 77.7250



37.3757, 38.6836, 43.0333



15.3048, 16.0548, 17.3537



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



37.2803, 38.9384, 41.6279



67.1468, 69.9777, 74.3891



37.6489, 39.6756, 41.7508



8.1360, 8.4613, 8.9466



12.8592, 7.6156, 0.7922



0.3522, 0.2640, 0.0324

Inverse Universe

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



37.1694, 39.3845, 43.6735



66.8869, 71.0237, 79.1855



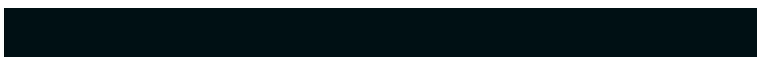
36.8008, 38.6473, 43.5507



8.0977, 8.6157, 9.6545



11.0006, 13.4613, 29.9940



0.3047, 0.4017, 0.7421

Previews

White Background



This preview shows how the XYZ color 37.2792, 38.9367, 41.6271 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 37.2792, 38.9367, 41.6271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

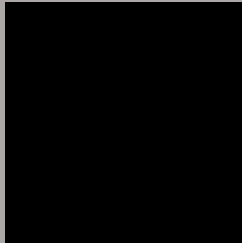
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

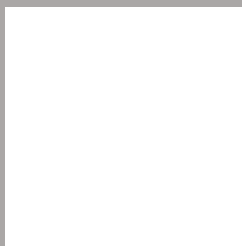
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.2792, 38.9367, 41.6271

Background



This preview shows how black text looks on a background with the XYZ color 37.2792, 38.9367, 41.6271.



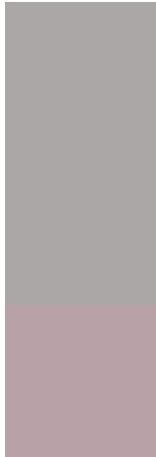
This preview shows how white text looks on a background with the XYZ color 37.2792, 38.9367,

41.6271.

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

37.2792, 38.9367, 41.6271

Protanopia

37.4962, 39.0485, 41.6372

Deuteranopia

39.6625, 38.8210, 41.9620



Tritanopia

38.5043, 38.8953, 47.5976

Trichromacy



Original Color

37.2792, 38.9367, 41.6271

Protanomaly

37.4962, 39.0485, 41.6372

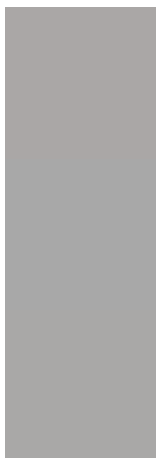
Deuteranomaly

38.8409, 38.9246, 42.0253

Tritanomaly

38.0708, 38.9864, 45.5630

Monochromacy



Original Color

37.2792, 38.9367, 41.6271

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.3399, 39.2303, 42.1634

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2792, 38.9367, 41.6271 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(170, 167, 166)` looks like.

```
.text, #text, p{  
    color:rgb(170, 167, 166)  
}
```

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(170, 167, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 167, 166) }
```

Border

The CSS property to change the border of an element to XYZ 37.2792, 38.9367, 41.6271 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(170, 167, 166) }
```


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

```
.border{ border-color:rgb(170, 167, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 167, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 167, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 167, 166);  
box-shadow:4px 4px 4px 4px rgb(170, 167,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2792, 38.9367, 41.6271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 167, 166) }
```

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

```
.background{ background-color: rgb(170,  
167, 166) }
```

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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