

Converting Colors

XYZ(37.7685, 39.0397, 41.9980)

Have a look what the booklet for
XYZ(37.7685, 39.0397, 41.9980)
contains.

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Color

**XYZ(37.6245, 38.8331,
42.0717)**

Conversions

Conversions Part 1

Format	Color
Hex	ACA6A7
RGB	172, 166, 167
RGB Percent	67%, 65%, 65%
CMY	0.3255, 0.3490, 0.3451
CMYK	0.00, 0.03, 0.03, 0.33
HSL	350°, 3%, 66%
HSV	350°, 3%, 67%
XYZ	37.6245, 38.8331, 42.0717
YIQ	167.9080, 3.2550, 1.5830

Conversions

Conversions Part 2

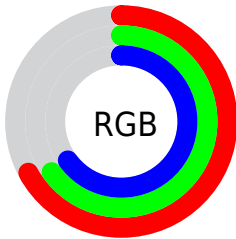
Format	Color
RYB	172, 166, 167
Decimal	11314855
CIELab	68.63, 2.34, 0.24
CIELCh	69, 2.352, 5.931
Yxy	38.8331, 0.3174, 0.3276
Android (android.graphics.Color)	4289504935 (0xFFACA6A7)
YUV	167.9080, -0.4476, 3.5887
Hunter-Lab	62.3162, -1.2809, 3.5927

Details

The XYZ color **37.6245, 38.8331, 42.0717** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.8305, 40.5533, 44.3638**, and the grayscale version is **37.1762, 39.1123, 42.5933**.

A 20% lighter version of the original color is **70.7198, 73.3177, 79.5316**, and **16.8576, 17.2655, 18.6637** is the 20% darker color. If you saturate the color by 10%, you get **33.4517, 32.4924, 34.4987**, and if you desaturate by 10%, it is **42.3647, 46.0723, 50.5601**.

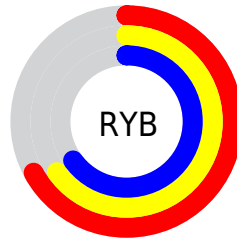
Distribution



Red (67%)

Green (65%)

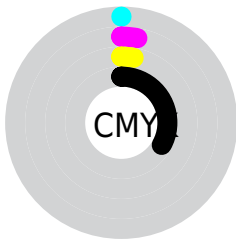
Blue (65%)



Red (67%)

Yellow (65%)

Blue (65%)

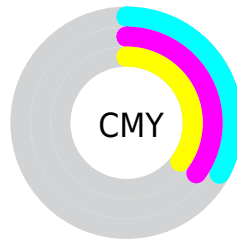


Cyan (0%)

Magenta (3%)

Yellow (3%)

Black (33%)



Cyan (33%)

Magenta (35%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6245, 38.8331, 42.0717 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 37.6245, 38.8331, 42.0717 by changing the saturation by 10% instead.

■ 37.6245, 38.8331,
42.0717

■ 37.6245, 38.8331,
42.0717

327.3152,
341.1804, 370.5885

■ 25.8673, 26.6299,
28.8314

■ 70.8398, 73.3833,
79.5794

■ 16.8565, 17.2955,
18.7089

■ 93.0287, 96.4991,
104.6839

■ 10.2269, 10.4454,
11.2854

119.4254,
124.0212, 134.5803

■ 5.6131, 5.6952,
6.1426

150.3954,
156.3340, 169.6870

■ 2.6497, 2.6607,
2.8618

186.3040,
193.8219, 210.4226

■ 0.9713, 0.9573,
1.0245

227.5166,

■ 0.0000, 0.0000,

236.8694, 257.2058

0.0000

274.3986,
285.8607, 310.4549

■ 37.6245, 38.8331,
42.0717

■ 37.6245, 38.8331,
42.0717

■ 33.4517, 32.4924,
34.4987

■ 42.3647, 46.0723,
50.5601

■ 29.8218, 27.0103,
27.8081

■ 47.6892, 54.2379,
59.9907

■ 26.7132, 22.3514,
21.9682

■ 53.6181, 63.3630,
70.3921

■ 24.1018, 18.4758,
16.9448

■ 60.1698, 73.4771,
81.7911

■ 21.9615, 15.3403,
12.7011

■ 67.3617, 84.6090,
94.2133

■ 20.2637, 12.8975,
9.1976

■ 70.5102, 87.3855,
106.1168

■ 18.9767, 11.0946,
6.3914

■ 70.8235, 87.5108,
107.7662

■ 18.0644, 9.8710,
4.2347

■ 17.4843, 9.1543,
2.6737

Harmonies

Analogous

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



37.5655, 38.8331, 43.1222



37.6245, 38.8331, 42.0717



37.4909, 38.8331, 41.0939

Triad

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



37.6245, 38.8331, 42.0717



36.4923, 38.8331, 40.6483



36.6192, 38.8331, 44.1775

Complementary

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



37.6245, 38.8331, 42.0717



37.8305, 40.5533, 44.3638

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.



36.3345, 38.8331, 43.4941



37.6245, 38.8331, 42.0717



36.2616, 38.8331, 41.4541

Square

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



37.6245, 38.8331, 42.0717



36.8360, 38.8331, 40.2810



36.2040, 38.8331, 42.4943



36.9835, 38.8331, 44.3495

Rectangle

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



37.6245, 38.8331, 42.0717



37.3112, 38.8331, 40.6112



36.2040, 38.8331, 42.4943



36.5111, 38.8331, 43.9994

Sweetspot

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



37.6256, 38.8348, 42.0725



70.2832, 73.5391, 79.9697



37.8784, 38.9106, 44.5443



15.2844, 15.9973, 17.3976



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.



37.6256, 38.8348, 42.0725



67.7866, 69.7338, 75.4758



37.9000, 39.5305, 41.7110



8.5121, 8.7275, 9.4369



12.8362, 6.5970, 1.5172



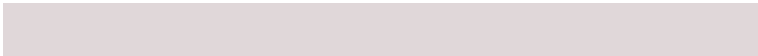
0.3731, 0.1899, 0.1266

Inverse Universe

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



37.6256, 38.8348, 42.0725



67.7866, 69.7338, 75.4758



37.5484, 39.8362, 44.7404



8.5121, 8.7275, 9.4369



12.8362, 6.5970, 1.5172



0.3731, 0.1899, 0.1266

Previews

White Background



This preview shows how the XYZ color 37.6245, 38.8331, 42.0717 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 37.6245, 38.8331, 42.0717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

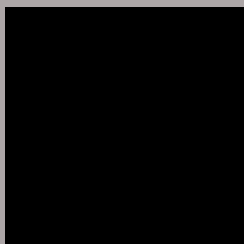
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

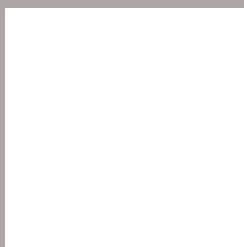
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.6245, 38.8331, 42.0717

Background



This preview shows how black text looks on a background with the XYZ color 37.6245, 38.8331, 42.0717.

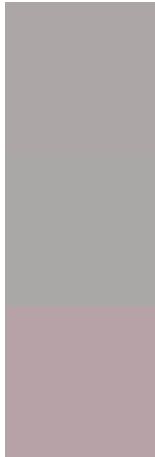


This preview shows how white text looks on a background with the XYZ color 37.6245, 38.8331,

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

37.6245, 38.8331, 42.0717

Protanopia

37.3713, 38.9735, 42.1122

Deuteranopia

39.5167, 38.7351, 42.4397



Tritanopia

38.6668, 38.7239, 47.0315

Trichromacy



Original Color

37.6245, 38.8331, 42.0717

Protanomaly

37.5884, 39.0854, 42.1223

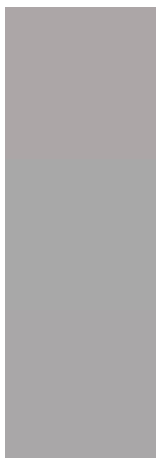
Deuteranomaly

38.7555, 38.6052, 42.4547

Tritanomaly

38.2315, 38.8116, 45.0115

Monochromacy



Original Color

37.6245, 38.8331, 42.0717

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.2488, 38.8996, 42.5909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6245, 38.8331, 42.0717 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(172, 166, 167)` looks like.

```
.text, #text, p{  
    color:rgb(172, 166, 167)  
}
```

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(172, 166, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 166, 167) }
```

Border

The CSS property to change the border of an element to XYZ 37.6245, 38.8331, 42.0717 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(172, 166, 167) }
```


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

```
.border{ border-color:rgb(172, 166, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 166, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 166, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 166, 167);  
box-shadow:4px 4px 4px 4px rgb(172, 166,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6245, 38.8331, 42.0717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 166, 167) }
```

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

```
.background{ background-color: rgb(172,  
166, 167) }
```

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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