

Converting Colors

XYZ(37.6447, 39.8383, 42.4097)

Have a look what the booklet for
XYZ(37.6447, 39.8383, 42.4097)
contains.

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Color

**XYZ(37.7120, 39.9745,
42.2874)**

Conversions

Conversions Part 1

Format	Color
Hex	A9AAA7
RGB	169, 170, 167
RGB Percent	66%, 67%, 65%
CMY	0.3372, 0.3333, 0.3451
CMYK	0.01, 0.00, 0.02, 0.33
HSL	80°, 2%, 66%
HSV	80°, 2%, 67%
XYZ	37.7120, 39.9745, 42.2874
YIQ	169.3590, 0.3670, -1.1450

Conversions

Conversions Part 2

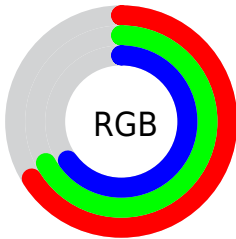
Format	Color
RYB	167, 170, 168
Decimal	11119271
CIELab	69.45, -0.92, 1.41
CIELCh	69, 1.681, 122.984
Yxy	39.9745, 0.3143, 0.3332
Android (android.graphics.Color)	4289309351 (0xFFA9AAA7)
YUV	169.3590, -1.1630, -0.3148
Hunter-Lab	63.2254, -4.1747, 4.6025

Details

The XYZ color **37.7120, 39.9745, 42.2874** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.2243, 38.8656, 43.5721**, and the grayscale version is **37.8963, 39.8698, 43.4182**.

A 20% lighter version of the original color is **70.8505, 74.9716, 79.8440**, and **16.9091, 17.9766, 18.7983** is the 20% darker color. If you saturate the color by 10%, you get **35.0513, 38.7738, 34.4912**, and if you desaturate by 10%, it is **40.6345, 41.2885, 51.1761**.

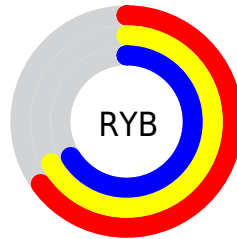
Distribution



Red (66%)

Green (67%)

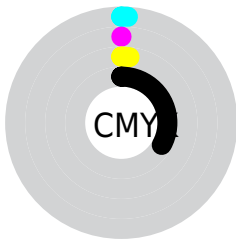
Blue (65%)



Red (65%)

Yellow (67%)

Blue (66%)

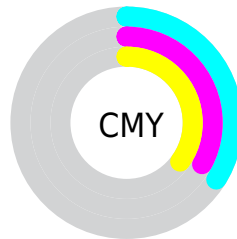


Cyan (1%)

Magenta (0%)

Yellow (2%)

Black (33%)



Cyan (34%)

Magenta (33%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7120, 39.9745, 42.2874 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 37.7120, 39.9745, 42.2874 by changing the saturation by 10% instead.

■ 37.7120, 39.9745,
42.2874

■ 37.7120, 39.9745,
42.2874

327.6852,
346.0161, 371.5077

■ 25.9354, 27.5187,
28.9991

■ 70.9732, 75.1247,
79.9092

■ 16.9078, 17.9631,
18.8346

■ 93.1886, 98.5878,
105.0798

■ 10.2637, 10.9235,
11.3752

119.6143,
126.4888, 135.0483

■ 5.6377, 6.0154,
6.2025

150.6157,
159.2121, 170.2332

■ 2.6646, 2.8545,
2.8978

186.5582,
197.1421, 211.0530

■ 0.9790, 1.0562,
1.0427

227.8070,

■ 0.0000, 0.0000,

240.6632, 257.9264

0.0000

274.7275,
290.1597, 311.2717

■ 37.7120, 39.9745,
42.2874

■ 37.7120, 39.9745,
42.2874

■ 35.0513, 38.7738,
34.4912

■ 40.6345, 41.2885,
51.1761

■ 32.6404, 37.6778,
27.7426

■ 43.8236, 42.7142,
61.1945

■ 30.4712, 36.6845,
21.9978

■ 47.2883, 44.2563,
72.3813

■ 28.5338, 35.7897,
17.2085

■ 51.0361, 45.9179,
84.7725

■ 26.8177, 34.9893,
13.3226

■ 55.0741, 47.7021,
98.4028

■ 25.3114, 34.2784,
10.2832

■ 57.0715, 48.6765,
100.9952

■ 24.0020, 33.6520,
8.0266

■ 58.6468, 49.4886,
101.0690

■ 22.8750, 33.1041,
6.4803

■ 60.2793, 50.3301,
101.1454

■ 21.9134, 32.6278,
5.5582

■ 61.9695, 51.2015,
101.2245

Harmonies

Analogous

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



37.9675, 39.9745, 42.0542



37.7120, 39.9745, 42.2874



37.5329, 39.9745, 42.8521

Triad

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



37.7120, 39.9745, 42.2874



37.7587, 39.9745, 44.8665



38.5165, 39.9745, 43.4479

Complementary

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



37.7120, 39.9745, 42.2874



37.2243, 38.8656, 43.5721

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.



38.4600, 39.9745, 44.2058



37.7120, 39.9745, 42.2874



38.0217, 39.9745, 45.0306

Square

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



37.7120, 39.9745, 42.2874



37.5598, 39.9745, 44.3417



38.2785, 39.9745, 44.7874



38.4327, 39.9745, 42.7192

Rectangle

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



37.7120, 39.9745, 42.2874



37.4805, 39.9745, 43.3437



38.2785, 39.9745, 44.7874



38.5133, 39.9745, 43.7077

Sweetspot

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



37.7131, 39.9762, 42.2883



68.8030, 72.7000, 77.8607



37.5566, 39.3426, 42.1742



15.3497, 16.2152, 17.3823



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.



37.7131, 39.9762, 42.2883



68.2864, 72.4674, 76.3162



37.3932, 39.8113, 42.2733



8.3422, 8.8461, 9.3439



15.6665, 23.7736, 3.7631



0.4320, 0.6046, 0.0939

Inverse Universe

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



37.2243, 38.8656, 43.5721



67.2659, 70.1485, 78.9966



37.5455, 39.0311, 43.5872



8.2286, 8.5880, 9.6423



6.6229, 2.7976, 28.1664



0.2151, 0.0959, 0.6878

Previews

White Background



This preview shows how the XYZ color 37.7120, 39.9745, 42.2874 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 37.7120, 39.9745, 42.2874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

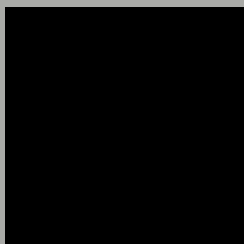
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

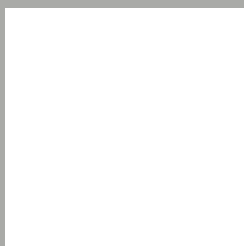
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.7120, 39.9745, 42.2874

Background



This preview shows how black text looks on a background with the XYZ color 37.7120, 39.9745, 42.2874.



This preview shows how white text looks on a background with the XYZ color 37.7120, 39.9745,

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

37.7120, 39.9745, 42.2874

Protanopia

38.3045, 40.0133, 41.7809

Deuteranopia

40.5930, 39.8172, 42.5918



Tritanopia

39.1377, 39.9994, 49.3739

Trichromacy



Original Color

37.7120, 39.9745, 42.2874

Protanomaly

38.0842, 39.8998, 41.7706

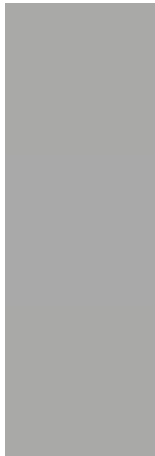
Deuteranomaly

39.5265, 39.8029, 42.6452

Tritanomaly

38.6020, 40.0566, 46.7714

Monochromacy



Original Color

37.7120, 39.9745, 42.2874

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.6180, 39.6381, 42.7140

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7120, 39.9745, 42.2874 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(169, 170, 167)` looks like.

```
.text, #text, p{  
    color:rgb(169, 170, 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(169, 170, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 170, 167) }
```

Border

The CSS property to change the border of an element to XYZ 37.7120, 39.9745, 42.2874 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(169, 170, 167) }
```


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

```
.border{ border-color:rgb(169, 170, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 170, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 170, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 170, 167);  
box-shadow:4px 4px 4px 4px rgb(169, 170,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7120, 39.9745, 42.2874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 170, 167) }
```

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

```
.background{ background-color: rgb(169,  
170, 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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