

# Converting Colors

XYZ(42.0346, 37.3341, 39.6411)

Have a look what the booklet for  
XYZ(42.0346, 37.3341, 39.6411)  
contains.

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# Color

**XYZ(42.0346, 37.3341,  
39.6411)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CA97A3
RGB	202, 151, 163
RGB Percent	79%, 59%, 64%
CMY	0.2078, 0.4078, 0.3608
CMYK	0.00, 0.25, 0.19, 0.21
HSL	346°, 32%, 69%
HSV	346°, 25%, 79%
XYZ	42.0346, 37.3341, 39.6411
YIQ	167.6170, 26.5440, 14.5440

# Conversions

## Conversions Part 2

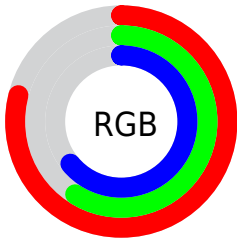
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	202, 151, 163
Decimal	13277091
CIE <sub>Lab</sub>	67.53, 20.91, 1.20
CIE <sub>LCh</sub>	68, 20.947, 3.290
Yxy	37.3341, 0.3532, 0.3137
Android (android.graphics.Color)	4291467171 (0xFFCA97A3)
YUV	167.6170, -2.2762, 30.1539
Hunter-Lab	61.1016, 15.8704, 4.3054

# Details

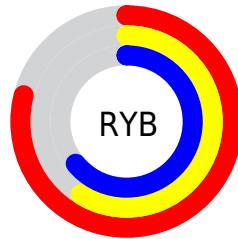
The XYZ color **42.0346, 37.3341, 39.6411** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **43.1788, 52.5390, 56.5830**, and the grayscale version is **37.0343, 38.9630, 42.4307**.

A 20% lighter version of the original color is **75.9662, 70.4646, 75.9268**, and **19.4590, 16.4651, 17.1914** is the 20% darker color. If you saturate the color by 10%, you get **37.7574, 30.8608, 31.7985**, and if you desaturate by 10%, it is **47.0400, 44.9924, 48.5615**.

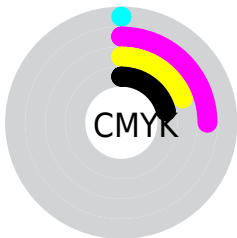
# Distribution



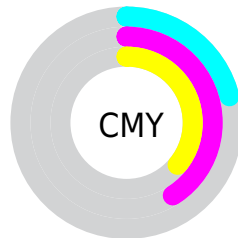
- Red (79%)
- Green (59%)
- Blue (64%)



- Red (79%)
- Yellow (59%)
- Blue (64%)



- Cyan (0%)
- Magenta (25%)
- Yellow (19%)
- Black (21%)




- Cyan (21%)
- Magenta (41%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0346, 37.3341, 39.6411 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 42.0346, 37.3341, 39.6411 by changing the saturation by 10% instead.





 42.0346, 37.3341,  
39.6411


 42.0346, 37.3341,  
39.6411


345.6155,  
334.7547, 360.1155

 29.3196, 25.4663,  
26.9472


 77.5168, 71.0863,  
75.8478

 19.4682, 16.4248,  
17.3015


 101.0148, 93.7395,  
100.1976

 12.1151, 9.8252,  
10.2854


128.8377,  
120.7566, 129.2698

 6.8949, 5.2832,  
5.4805

161.3511,  
152.5221, 163.4830

 3.4422, 2.4144,  
2.4683

198.9202,  
189.4202, 203.2556

 1.3917, 0.8333,  
0.8233

241.9104,

 0.2503, 0.0000,

231.8354, 249.0062

0.0000

290.6871,  
280.1521, 301.1533

■ 0.0000, 0.0000,  
0.0000

■ 42.0346, 37.3341,  
39.6411

■ 42.0346, 37.3341,  
39.6411

■ 37.7574, 30.8608,  
31.7985

■ 47.0400, 44.9924,  
48.5615

■ 34.1707, 25.5083,  
24.9900

■ 52.8026, 53.8856,  
58.5966

■ 31.2384, 21.2137,  
19.1721

■ 59.3536, 64.0670,  
69.7841

■ 28.9195, 17.9063,  
14.2975

■ 66.7216, 75.5852,  
82.1597

■ 27.1681, 15.5063,  
10.3146

■ 74.9335, 88.4864,  
95.7569

■ 25.9320, 13.9215,  
7.1665

■ 78.1673, 91.2966,  
108.1099

■ 25.1479, 13.0397,  
4.7888

■ 24.8809, 12.7661,  
3.8972

# Harmonies

## Analogous

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



41.3103, 37.3341, 49.1562



42.0346, 37.3341, 39.6411



40.9182, 37.3341, 31.6710

# Triad

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



42.0346, 37.3341, 39.6411



32.1928, 37.3341, 27.5526



32.7731, 37.3341, 58.6440

# Complementary

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



42.0346, 37.3341, 39.6411



43.1788, 52.5390, 56.5830

# 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.



30.5553, 37.3341, 51.1845



42.0346, 37.3341, 39.6411



30.2347, 37.3341, 33.1873

# Square

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



42.0346, 37.3341, 39.6411



35.1307, 37.3341, 25.3885



29.6536, 37.3341, 41.6769



35.8415, 37.3341, 61.0558



# Rectangle

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



42.0346, 37.3341, 39.6411



39.3176, 37.3341, 28.0239



29.6536, 37.3341, 41.6769



31.9098, 37.3341, 56.5934

# Sweetspot

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



42.0356, 37.3358, 39.6419



86.4729, 86.7035, 94.1485



42.7769, 37.2501, 60.8129



18.1845, 18.0571, 19.5885



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



42.0356, 37.3358, 39.6419



67.2804, 57.3083, 60.0365



43.1750, 41.2541, 34.9675



11.3187, 11.2562, 12.2128



16.0396, 8.2264, 2.6612



0.8579, 0.4366, 0.2974



# Inverse Universe

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



42.0356, 37.3358, 39.6419



67.2804, 57.3083, 60.0365



41.6759, 47.3476, 62.8200



11.3187, 11.2562, 12.2128



16.0396, 8.2264, 2.6612

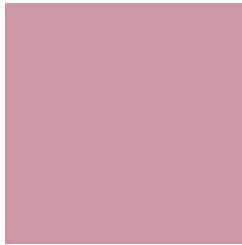


0.8579, 0.4366, 0.2974



# Previews

## White Background



This preview shows how the XYZ color 42.0346, 37.3341, 39.6411 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

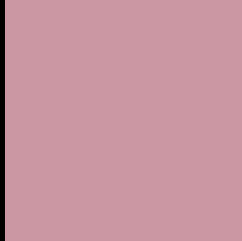
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.0346, 37.3341, 39.6411 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

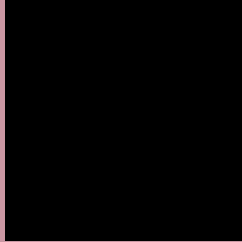
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.0346, 37.3341, 39.6411**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.0346, 37.3341, 39.6411.



This preview shows how white text looks on a background with the XYZ color 42.0346, 37.3341,



# 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

42.0346, 37.3341, 39.6411

### Protanopia

36.2570, 37.5602, 43.3691

### Deuteranopia

38.1226, 37.3146, 38.9114



## Tritanopia

42.0346, 37.3341, 39.6411

# Trichromacy



## Original Color

42.0346, 37.3341, 39.6411

## Protanomaly

37.9636, 37.1700, 41.7328

## Deuteranomaly

39.3963, 37.2044, 39.2872

## Tritanomaly

42.0346, 37.3341, 39.6411

# Monochromacy



## Original Color

42.0346, 37.3341, 39.6411

## Achromatopsia

37.2190, 39.1572, 42.6422

## Achromatomaly

38.6257, 38.2971, 41.4327

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.0346, 37.3341, 39.6411 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(202, 151, 163)` looks like.

```
.text, #text, p{  
    color:rgb(202, 151, 163)  
}
```

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(202, 151, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 151, 163) }
```

## Border

The CSS property to change the border of an element to XYZ 42.0346, 37.3341, 39.6411 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(202, 151, 163) }
```



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

```
.border{ border-color:rgb(202, 151, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 151, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 151, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 151, 163);  
box-shadow:4px 4px 4px 4px rgb(202, 151,  
163) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.0346, 37.3341, 39.6411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 151, 163) }
```

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

```
.background{ background-color: rgb(202,  
151, 163) }
```

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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