

# Converting Colors

XYZ(38.0200, 35.2630, 41.8296)

Have a look what the booklet for  
XYZ(38.0200, 35.2630, 41.8296)  
contains.

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# Color

**XYZ(37.9017, 35.1507,  
41.8329)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B897A8
RGB	184, 151, 168
RGB Percent	72%, 59%, 66%
CMY	0.2784, 0.4078, 0.3412
CMYK	0.00, 0.18, 0.09, 0.28
HSL	329°, 19%, 66%
HSV	329°, 18%, 72%
XYZ	37.9017, 35.1507, 41.8329
YIQ	162.8050, 14.2110, 12.2830

# Conversions

## Conversions Part 2

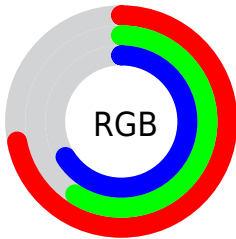
Format	Color
<a href="#">RYB</a>	<a href="#">184, 151, 168</a>
Decimal	<a href="#">12097448</a>
CIELab	<a href="#">65.87, 15.15, -4.25</a>
CIELCh	<a href="#">66, 15.738, 344.345</a>
Yxy	<a href="#">35.1507, 0.3299, 0.3060</a>
Android (android.graphics.Color)	<a href="#">4290287528 (0xFFB897A8)</a>
YUV	<a href="#">162.8050, 2.5611, 18.5880</a>
Hunter-Lab	<a href="#">59.2880, 10.3576, -0.3327</a>

# Details

The XYZ color **37.9017, 35.1507, 41.8329** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **36.8795, 43.6514, 43.0432**, and the grayscale version is **34.7052, 36.5126, 39.7622**.

A 20% lighter version of the original color is **71.0858, 67.5156, 79.0972**, and **17.0696, 15.2006, 18.5573** is the 20% darker color. If you saturate the color by 10%, you get **34.3657, 29.3633, 36.6932**, and if you desaturate by 10%, it is **41.9589, 41.8884, 47.4286**.

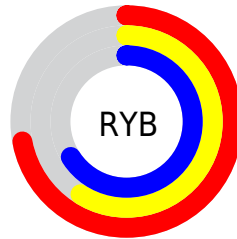
# Distribution



Red (72%)

Green (59%)

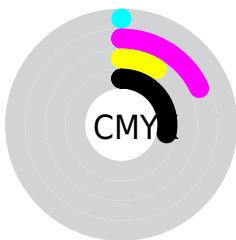
Blue (66%)



Red (72%)

Yellow (59%)

Blue (66%)

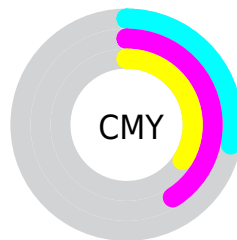


Cyan (0%)

Magenta (18%)

Yellow (9%)

Black (28%)



Cyan (28%)

Magenta (41%)

Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9017, 35.1507, 41.8329 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 37.9017, 35.1507, 41.8329 by changing the saturation by 10% instead.





 37.9017, 35.1507,  
41.8329


 37.9017, 35.1507,  
41.8329

328.4863,  
325.2330, 369.5690

 26.0833, 23.7790,  
28.6459


 71.2623, 67.7192,  
79.2140

 17.0190, 15.1698,  
18.5698


 93.5352, 89.6847,  
104.2452

 10.3434, 8.9386,  
11.1862


120.0236,  
115.9503, 134.0615

 5.6912, 4.7012,  
6.0765

151.0930,  
146.9003, 169.0815

 2.6971, 2.0730,  
2.8221

187.1085,  
182.9192, 209.7237

 0.9957, 0.6494,  
1.0045

228.4357,

 0.0000, 0.0000,

224.3914, 256.4067

0.0000

275.4398,  
271.7012, 309.5489

■ 37.9017, 35.1507,  
41.8329

■ 37.9017, 35.1507,  
41.8329

■ 34.3657, 29.3633,  
36.6932

■ 41.9589, 41.8884,  
47.4286

■ 31.3254, 24.4782,  
31.9941

■ 46.5554, 49.6120,  
53.4906

■ 28.7576, 20.4506,  
27.7225

■ 51.7121, 58.3613,  
60.0314

■ 26.6359, 17.2294,  
23.8637

■ 57.4478, 68.1722,  
67.0626

■ 24.9312, 14.7586,  
20.4018

■ 63.7805, 79.0790,  
74.5951

■ 23.6107, 12.9747,  
17.3195

■ 68.6499, 86.9595,  
81.9470

■ 22.6362, 11.8033,  
14.5973

■ 69.8746, 87.4493,  
88.3960

■ 21.9489, 11.1291,  
12.2087

■ 71.1634, 87.9649,  
95.1831

■ 21.8230, 11.0127,  
11.7494

■ 72.5174, 88.5065,  
102.3132

# Harmonies

## Analogous

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



36.6328, 35.1507, 48.1784



37.9017, 35.1507, 41.8329



37.9305, 35.1507, 35.1880

# Triad

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



37.9017, 35.1507, 41.8329



32.3143, 35.1507, 27.1612



30.3136, 35.1507, 47.9375

# Complementary

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



37.9017, 35.1507, 41.8329



36.8795, 43.6514, 43.0432

# 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.



29.2632, 35.1507, 41.5335



37.9017, 35.1507, 41.8329



30.3814, 35.1507, 29.8280

# Square

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



37.9017, 35.1507, 41.8329



34.6306, 35.1507, 27.2216



29.2874, 35.1507, 34.9213



32.2178, 35.1507, 51.9719



# Rectangle

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



37.9017, 35.1507, 41.8329



37.2382, 35.1507, 31.4950



29.2874, 35.1507, 34.9213



29.8530, 35.1507, 45.9600

# Sweetspot

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



37.9027, 35.1523, 41.8336



78.3337, 79.7370, 89.0201



35.6455, 33.8057, 49.9945



16.7656, 16.9861, 19.0289



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

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



37.9027, 35.1523, 41.8336



65.7506, 58.8607, 71.6008



36.4658, 34.5775, 34.2668



9.1925, 9.0874, 10.3612



15.0759, 7.6041, 8.2866



0.5626, 0.2805, 0.4561



# Inverse Universe

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



37.9027, 35.1523, 41.8336



65.7506, 58.8607, 71.6008



38.4983, 44.2989, 51.5679



9.1925, 9.0874, 10.3612



15.0759, 7.6041, 8.2866

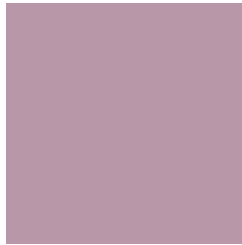


0.5626, 0.2805, 0.4561



# Previews

## White Background



This preview shows how the XYZ color 37.9017, 35.1507, 41.8329 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

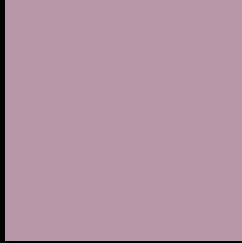
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.9017, 35.1507, 41.8329 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

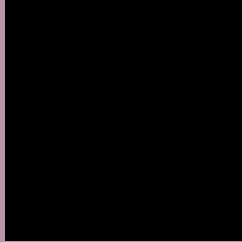
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 37.9017, 35.1507, 41.8329**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.9017, 35.1507, 41.8329.



This preview shows how white text looks on a background with the XYZ color 37.9017, 35.1507,



# 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

37.9017, 35.1507, 41.8329

### Protanopia

34.2390, 35.1843, 44.5218

### Deuteranopia

35.9300, 35.1169, 41.4438



## Tritanopia

37.4575, 35.2041, 39.9428

# Trichromacy



## Original Color

37.9017, 35.1507, 41.8329

## Protanomaly

35.3876, 35.0420, 43.4267

## Deuteranomaly

36.6621, 35.2483, 41.4305

## Tritanomaly

37.5482, 35.2404, 40.4204

# Monochromacy



## Original Color

37.9017, 35.1507, 41.8329

## Achromatopsia

34.8123, 36.6253, 39.8849

## Achromatomaly

35.9843, 36.1708, 40.6824

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.9017, 35.1507, 41.8329 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(184, 151, 168)` looks like.

```
.text, #text, p{  
    color:rgb(184, 151, 168)  
}
```

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(184, 151, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 151, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 37.9017, 35.1507, 41.8329 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(184, 151, 168) }
```



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

```
.border{ border-color:rgb(184, 151, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 151, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 151, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 151, 168);  
box-shadow:4px 4px 4px 4px rgb(184, 151,  
168) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.9017, 35.1507, 41.8329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 151, 168) }
```

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

```
.background{ background-color: rgb(184,  
151, 168) }
```

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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