

# Converting Colors

XYZ(41.6973, 49.1309, 37.8574)

Have a look what the booklet for  
XYZ(41.6973, 49.1309, 37.8574)  
contains.

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# Color

**XYZ(41.6973, 49.1309,  
37.8574)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ABC19A
RGB	171, 193, 154
RGB Percent	67%, 76%, 60%
CMY	0.3294, 0.2431, 0.3961
CMYK	0.11, 0.00, 0.20, 0.24
HSL	94°, 24%, 68%
HSV	94°, 20%, 76%
XYZ	41.6973, 49.1309, 37.8574
YIQ	181.9760, -0.5930, -16.7930

# Conversions

## Conversions Part 2

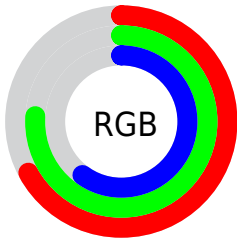
Format	Color
<a href="#">RYB</a>	<a href="#">154, 193, 176</a>
Decimal	<a href="#">11256218</a>
CIELab	<a href="#">75.53, -14.62, 17.18</a>
CIELCh	<a href="#">76, 22.556, 130.391</a>
Yxy	<a href="#">49.1309, 0.3240, 0.3818</a>
Android (android.graphics.Color)	<a href="#">4289446298 (0xFFABC19A)</a>
YUV	<a href="#">181.9760, -13.7922, -9.6260</a>
Hunter-Lab	<a href="#">70.0934, -16.4771, 17.0429</a>

# Details

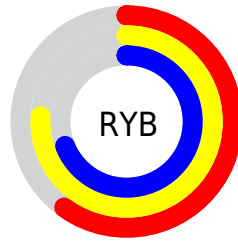
The XYZ color **41.6973, 49.1309, 37.8574** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.0876, 36.1929, 55.3804**, and the grayscale version is **44.5244, 46.8431, 51.0122**.

A 20% lighter version of the original color is **76.9394, 88.6363, 72.7279**, and **19.1520, 23.2961, 16.3191** is the 20% darker color. If you saturate the color by 10%, you get **37.9428, 47.3679, 29.9547**, and if you desaturate by 10%, it is **45.9083, 51.1023, 47.1327**.

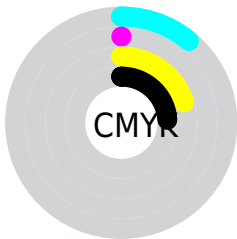
# Distribution



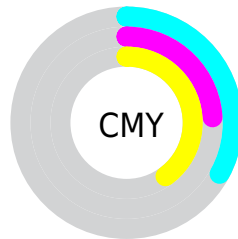
- Red (67%)
- Green (76%)
- Blue (60%)



- Red (60%)
- Yellow (76%)
- Blue (69%)



- Cyan (11%)
- Magenta (0%)
- Yellow (20%)
- Black (24%)




- Cyan (33%)
- Magenta (24%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6973, 49.1309, 37.8574 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 41.6973, 49.1309, 37.8574 by changing the saturation by 10% instead.





 41.6973, 49.1309,  
37.8574


 41.6973, 49.1309,  
37.8574


344.2396,  
383.2574, 352.2877

 29.0544, 34.7233,  
25.5711


 77.0093, 88.8858,  
73.0905

 19.2665, 23.4498,  
16.2801


 100.4092,  
115.0020, 96.8744

 11.9681, 14.9260,  
9.5661


128.1254,  
145.7898, 125.3278

 6.7940, 8.7675,  
5.0104

160.5234,  
181.6337, 158.8694

 3.3788, 4.5898,  
2.1945

197.9684,  
222.9179, 197.9176

 1.3571, 2.0087,  
0.6712

240.8259,

 0.2254, 0.6125,

270.0271, 242.8910

0.0000

289.4612,  
323.3454, 294.2082

■ 0.0000, 0.0000,  
0.0000

■ 41.6973, 49.1309,  
37.8574

■ 41.6973, 49.1309,  
37.8574

■ 37.9428, 47.3679,  
29.9547

■ 45.9083, 51.1023,  
47.1327

■ 34.6240, 45.7996,  
23.3562

■ 50.5879, 53.2826,  
57.8382

■ 31.7238, 44.4202,  
17.9925

■ 55.7527, 55.6806,  
70.0322

■ 29.2226, 43.2213,  
13.7866

■ 61.4171, 58.3026,  
83.7685

■ 27.0990, 42.1937,  
10.6525

■ 67.5949, 61.1544,  
99.0986

■ 25.3288, 41.3271,  
8.4926

■ 71.8230, 63.2514,  
103.0310

■ 23.8844, 40.6098,  
7.1912

■ 75.5561, 65.1759,  
103.2057

■ 22.7379, 40.0322,  
6.5286

■ 78.3609, 66.6218,  
103.3370

# Harmonies

## Analogous

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



45.2677, 49.1309, 33.9565



41.6973, 49.1309, 37.8574



39.5516, 49.1309, 46.1605

# Triad

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



41.6973, 49.1309, 37.8574



44.0607, 49.1309, 78.1429



55.0268, 49.1309, 49.4637

# Complementary

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



41.6973, 49.1309, 37.8574



39.0876, 36.1929, 55.3804

# 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.



54.6559, 49.1309, 61.5684



41.6973, 49.1309, 37.8574



48.1570, 49.1309, 79.3777

# Square

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



41.6973, 49.1309, 37.8574



40.8590, 49.1309, 69.7783



52.0821, 49.1309, 72.9368



53.0672, 49.1309, 39.9655



# Rectangle

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



41.6973, 49.1309, 37.8574



39.1374, 49.1309, 53.6518



52.0821, 49.1309, 72.9368



55.1732, 49.1309, 53.3389

# Sweetspot

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



41.6986, 49.1330, 37.8585



85.5628, 93.0803, 91.9827



43.2446, 44.5078, 36.8842



18.2394, 19.9145, 19.4677



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

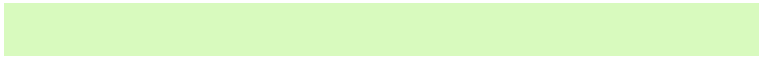


# Same Dimension

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



41.6986, 49.1330, 37.8585



71.7785, 86.6322, 61.6102



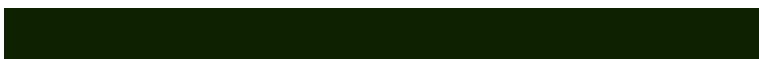
38.3943, 47.4107, 38.5587



10.3516, 11.4687, 10.7300



15.2110, 26.6704, 4.3462



0.7362, 1.1930, 0.1915



# Inverse Universe

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



39.0876, 36.1929, 55.3804



66.3026, 59.4987, 98.3502



42.9592, 38.2138, 54.4333



10.0598, 10.0220, 12.6891



10.6803, 4.7663, 33.9137



0.5394, 0.2461, 1.4690



# Previews

## White Background



This preview shows how the XYZ color 41.6973, 49.1309, 37.8574 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

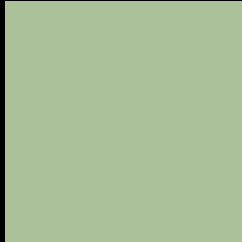
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.6973, 49.1309, 37.8574 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

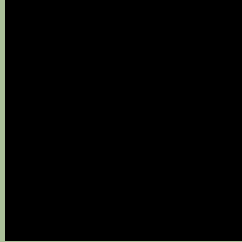
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 41.6973, 49.1309, 37.8574**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.6973, 49.1309, 37.8574.



This preview shows how white text looks on a background with the XYZ color 41.6973, 49.1309,



# 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

41.6973, 49.1309, 37.8574

### Protanopia

45.8799, 48.7702, 35.8496

### Deuteranopia

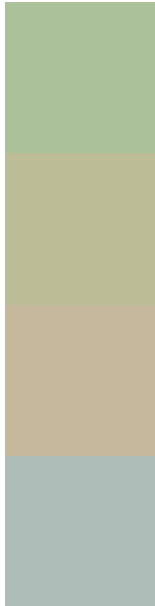
49.9375, 48.9707, 38.7186



## Tritanopia

46.6730, 49.2227, 62.2993

# Trichromacy



## Original Color

41.6973, 49.1309, 37.8574

## Protanomaly

44.3082, 48.8922, 36.3800

## Deuteranomaly

46.4299, 48.6870, 38.4029

## Tritanomaly

44.5285, 48.9698, 52.4526

# Monochromacy



## Original Color

41.6973, 49.1309, 37.8574

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

43.3654, 47.5613, 45.9244

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.6973, 49.1309, 37.8574 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(171, 193, 154)` looks like.

```
.text, #text, p{  
    color:rgb(171, 193, 154)  
}
```

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(171, 193, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 193, 154) }
```

## Border

The CSS property to change the border of an element to XYZ 41.6973, 49.1309, 37.8574 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(171, 193, 154) }
```



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

```
.border{ border-color:rgb(171, 193, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 193, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 193, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 193, 154);  
box-shadow:4px 4px 4px 4px rgb(171, 193,  
154) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.6973, 49.1309, 37.8574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 193, 154) }
```

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

```
.background{ background-color: rgb(171,  
193, 154) }
```

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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