

Converting Colors

XYZ(40.5509, 46.5528, 37.8019)

Have a look what the booklet for
XYZ(40.5509, 46.5528, 37.8019)
contains.

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Color

**XYZ(40.7000, 46.6779,
37.8750)**

Conversions

Conversions Part 1

Format	Color
Hex	ACBB9B
RGB	172, 187, 155
RGB Percent	67%, 73%, 61%
CMY	0.3255, 0.2666, 0.3922
CMYK	0.08, 0.00, 0.17, 0.27
HSL	88°, 19%, 67%
HSV	88°, 17%, 73%
XYZ	40.7000, 46.6779, 37.8750
YIQ	178.8670, 1.3320, -13.1320

Conversions

Conversions Part 2

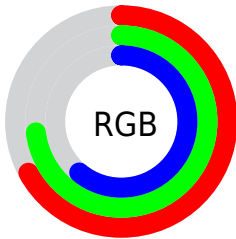
Format	Color
RYB	155, 187, 170
Decimal	11320219
CIELab	73.98, -10.99, 14.49
CIELCh	74, 18.185, 127.188
Yxy	46.6779, 0.3249, 0.3727
Android (android.graphics.Color)	4289510299 (0xFFACBB9B)
YUV	178.8670, -11.7664, -6.0224
Hunter-Lab	68.3212, -13.2270, 14.9565

Details

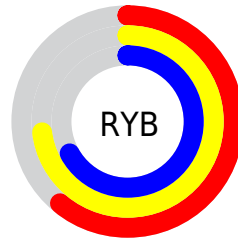
The XYZ color **40.7000, 46.6779, 37.8750** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.2705, 35.5779, 51.9191**, and the grayscale version is **42.8382, 45.0691, 49.0802**.

A 20% lighter version of the original color is **75.6784, 85.2483, 73.4387**, and **18.7695, 22.0427, 16.3621** is the 20% darker color. If you saturate the color by 10%, you get **37.3888, 45.1399, 30.1472**, and if you desaturate by 10%, it is **44.3839, 48.3827, 46.8918**.

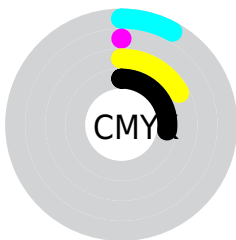
Distribution



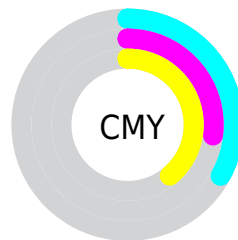
- Red (67%)
- Green (73%)
- Blue (61%)



- Red (61%)
- Yellow (73%)
- Blue (67%)



- Cyan (8%)
- Magenta (0%)
- Yellow (17%)
- Black (27%)





- Cyan (33%)
- Magenta (27%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7000, 46.6779, 37.8750 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 40.7000, 46.6779, 37.8750 by changing the saturation by 10% instead.


 40.7000, 46.6779,
37.8750


 40.7000, 46.6779,
37.8750


340.1492,
373.5274, 352.3655

 28.2714, 32.7811,
25.5846

 75.5059, 85.2326,
73.1178

 18.6718, 21.9588,
16.2902


 98.6138, 110.6593,
96.9073

 11.5360, 13.8266,
9.5731


126.0123,
140.6981, 125.3669

 6.4985, 8.0002,
5.0150

158.0665,
175.7334, 158.9152

 3.1940, 4.0951,
2.1972

195.1420,
216.1496, 197.9706

 1.2572, 1.7269,
0.6727

237.6041,

 0.1508, 0.4410,

262.3311, 242.9518

0.0000

285.8180,
314.6622, 294.2773

■ 0.0000, 0.0000,
0.0000

■ 40.7000, 46.6779,
37.8750

■ 40.7000, 46.6779,
37.8750

■ 37.3888, 45.1399,
30.1472

■ 44.3839, 48.3827,
46.8918

■ 34.4330, 43.7570,
23.6465

■ 48.4497, 50.2536,
57.2497

■ 31.8193, 42.5250,
18.3105


■ 52.9106, 52.2978,
69.0015

■ 29.5320, 41.4373,
14.0699


■ 57.7782, 54.5201,
82.1965


■ 27.5540, 40.4869,
10.8482


■ 63.0636, 56.9253,
96.8812


 25.8661, 39.6656,
8.5592


 66.7494, 58.7066,
102.4212


 24.4463, 38.9645,
7.1020

 69.5470, 60.1488,
102.5521

 23.2648, 38.3712,
6.3352

 72.4869, 61.6644,
102.6897

 22.9532, 38.2140,
6.1663

 75.5711, 63.2543,
102.8340

Harmonies

Analogous

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



43.5897, 46.6779, 35.0753



40.7000, 46.6779, 37.8750



38.8588, 46.6779, 44.2056

Triad

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



40.7000, 46.6779, 37.8750



41.9903, 46.6779, 69.1419



50.8496, 46.6779, 48.6206

Complementary

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



40.7000, 46.6779, 37.8750



37.2705, 35.5779, 51.9191

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.



50.3702, 46.6779, 58.0727



40.7000, 46.6779, 37.8750



45.1514, 46.6779, 70.6972

Square

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



40.7000, 46.6779, 37.8750



39.5780, 46.6779, 62.4099



48.2457, 46.6779, 66.4325



49.5252, 46.6779, 40.7693

Rectangle

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



40.7000, 46.6779, 37.8750



38.4206, 46.6779, 49.9527



48.2457, 46.6779, 66.4325



50.8951, 46.6779, 51.7060

Sweetspot

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



40.7012, 46.6799, 37.8760



80.9109, 87.3049, 87.5513



40.7739, 41.6576, 36.9028



17.7083, 19.1755, 19.0045



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



40.7012, 46.6799, 37.8760



70.3053, 82.3985, 61.7073



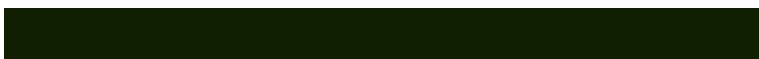
37.4114, 44.9839, 37.7220



9.8795, 10.8923, 10.1584



15.8982, 26.3717, 4.2523



0.6977, 1.0716, 0.1701

Inverse Universe

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



37.2705, 35.5779, 51.9191



62.8691, 58.3339, 92.1474



40.9263, 37.4626, 52.0902



9.4303, 9.4387, 11.9970



9.0136, 3.9327, 32.6769



0.4286, 0.1930, 1.2835

Previews

White Background



This preview shows how the XYZ color 40.7000, 46.6779, 37.8750 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 40.7000, 46.6779, 37.8750 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

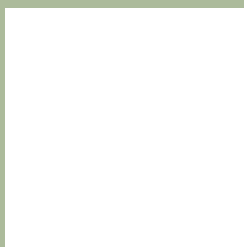
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.7000, 46.6779, 37.8750

Background



This preview shows how black text looks on a background with the XYZ color 40.7000, 46.6779, 37.8750.



This preview shows how white text looks on a background with the XYZ color 40.7000, 46.6779,

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

40.7000, 46.6779, 37.8750

Protanopia

43.9296, 46.5212, 36.3699

Deuteranopia

47.4282, 46.5042, 38.3748



Tritanopia

44.8478, 46.4982, 58.8359

Trichromacy



Original Color

40.7000, 46.6779, 37.8750

Protanomaly

42.6908, 46.4812, 36.8587

Deuteranomaly

44.6265, 46.2426, 38.0261

Tritanomaly

43.1785, 46.4333, 50.4028

Monochromacy



Original Color

40.7000, 46.6779, 37.8750

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.8881, 45.5883, 44.6219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7000, 46.6779, 37.8750 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, 187, 155)` looks like.

```
.text, #text, p{  
    color:rgb(172, 187, 155)  
}
```

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, 187, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 187, 155) }
```

Border

The CSS property to change the border of an element to XYZ 40.7000, 46.6779, 37.8750 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, 187, 155) }
```


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

```
.border{ border-color:rgb(172, 187, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 187, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 187, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 187, 155);  
box-shadow:4px 4px 4px 4px rgb(172, 187,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7000, 46.6779, 37.8750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 187, 155) }
```

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

```
.background{ background-color: rgb(172,  
187, 155) }
```

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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