

# Converting Colors

XYZ(40.6917, 46.8975, 37.2729)

Have a look what the booklet for  
XYZ(40.6917, 46.8975, 37.2729)  
contains.

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# Color

**XYZ(40.8292, 47.0702,  
37.5054)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ACBC9A
RGB	172, 188, 154
RGB Percent	67%, 74%, 60%
CMY	0.3255, 0.2627, 0.3961
CMYK	0.09, 0.00, 0.18, 0.26
HSL	88°, 20%, 67%
HSV	88°, 18%, 74%
XYZ	40.8292, 47.0702, 37.5054
YIQ	179.3400, 1.3780, -13.9660

# Conversions

## Conversions Part 2

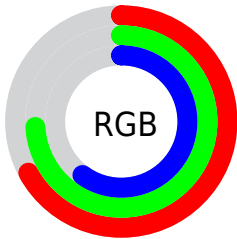
Format	Color
<a href="#">RYB</a>	<a href="#">154, 188, 170</a>
Decimal	<a href="#">11320474</a>
CIELab	<a href="#">74.23, -11.68, 15.38</a>
CIELCh	<a href="#">74, 19.310, 127.208</a>
Yxy	<a href="#">47.0702, 0.3256, 0.3753</a>
Android (android.graphics.Color)	<a href="#">4289510554 (0xFFACBC9A)</a>
YUV	<a href="#">179.3400, -12.4926, -6.4372</a>
Hunter-Lab	<a href="#">68.6077, -13.8362, 15.6137</a>

# Details

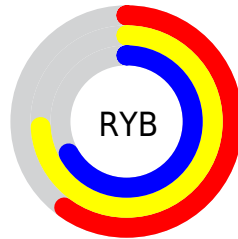
The XYZ color **40.8292, 47.0702, 37.5054** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.2122, 35.2894, 52.4298**, and the grayscale version is **43.0943, 45.3385, 49.3737**.

A 20% lighter version of the original color is **75.7308, 85.7494, 72.2344**, and **18.8579, 22.3003, 16.1424** is the 20% darker color. If you saturate the color by 10%, you get **37.5069, 45.5259, 29.8066**, and if you desaturate by 10%, it is **44.5286, 48.7834, 46.5041**.

# Distribution



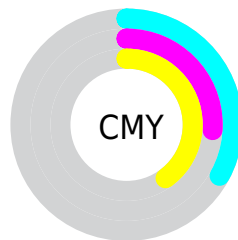
- Red (67%)
- Green (74%)
- Blue (60%)



- Red (60%)
- Yellow (74%)
- Blue (67%)



- Cyan (9%)
- Magenta (0%)
- Yellow (18%)
- Black (26%)




- Cyan (33%)
- Magenta (26%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8292, 47.0702, 37.5054 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 40.8292, 47.0702, 37.5054 by changing the saturation by 10% instead.





 40.8292, 47.0702,  
37.5054


 40.8292, 47.0702,  
37.5054


340.6810,  
375.0947, 350.7278

 28.3727, 33.0912,  
25.3002


 75.7009, 85.8184,  
72.5444

 18.7487, 22.1963,  
16.0798


 98.8468, 111.3563,  
96.2153

 11.5918, 14.0012,  
9.4257


126.2866,  
141.5160, 124.5451

 6.5366, 8.1215,  
4.9193

158.3856,  
176.6819, 157.9525

 3.2177, 4.1728,  
2.1421

195.5092,  
217.2383, 196.8559

 1.2699, 1.7707,  
0.6406

238.0228,

 0.1605, 0.4688,

263.5696, 241.6739

0.0000

286.2916,  
316.0603, 292.8250

0.0000, 0.0000,  
0.0000

40.8292, 47.0702,  
37.5054

40.8292, 47.0702,  
37.5054

37.5069, 45.5259,  
29.8066

44.5286, 48.7834,  
46.5041

34.5442, 44.1385,  
23.3444

48.6145, 50.6648,  
56.8556

31.9273, 42.9038,  
18.0551

53.1004, 52.7218,  
68.6140

29.6402, 41.8151,  
13.8679

57.9982, 54.9593,  
81.8291

27.6654, 40.8650,  
10.7045

63.3191, 57.3820,  
96.5487

■ 25.9831, 40.0453,  
8.4761

■ 67.1144, 59.2108,  
102.4993

■ 24.5708, 39.3467,  
7.0790

■ 69.9466, 60.6709,  
102.6318

■ 23.3944, 38.7552,  
6.3508

■ 72.9239, 62.2057,  
102.7711

■ 23.1865, 38.6503,  
6.2382

■ 76.0483, 63.8164,  
102.9174

# Harmonies

## Analogous

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



43.9080, 47.0702, 34.5544



40.8292, 47.0702, 37.5054



38.8726, 47.0702, 44.2084

# Triad

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



40.8292, 47.0702, 37.5054



42.2068, 47.0702, 70.9346



51.6805, 47.0702, 48.8943

# Complementary

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



40.8292, 47.0702, 37.5054



37.2122, 35.2894, 52.4298

# 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.



51.1673, 47.0702, 59.0054



40.8292, 47.0702, 37.5054



45.5800, 47.0702, 72.6110

# Square

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



40.8292, 47.0702, 37.5054



39.6388, 47.0702, 63.6790



48.8904, 47.0702, 68.0024



50.2585, 47.0702, 40.5561



# Rectangle

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



40.8292, 47.0702, 37.5054



38.4079, 47.0702, 50.3273



48.8904, 47.0702, 68.0024



51.7298, 47.0702, 52.1868

# Sweetspot

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



40.8305, 47.0722, 37.5064



82.8469, 89.3995, 89.6510



40.9233, 41.7257, 36.4695



17.7065, 19.1745, 19.0044



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

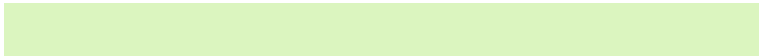


# Same Dimension

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



40.8305, 47.0722, 37.5064



71.3393, 84.0733, 61.7257



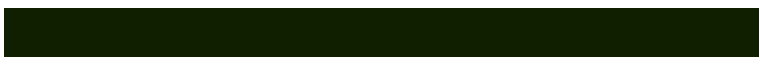
37.3606, 45.2835, 37.3440



9.8778, 10.8914, 10.1583



15.8722, 26.3583, 4.2511



0.6967, 1.0711, 0.1700



# Inverse Universe

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



37.2122, 35.2894, 52.4298



63.4747, 58.4610, 94.1648



41.0954, 37.2913, 52.6115



9.4320, 9.4396, 11.9971



9.0360, 3.9443, 32.6780

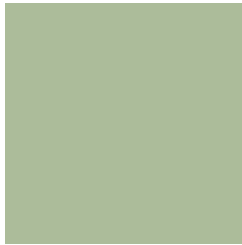


0.4295, 0.1934, 1.2836



# Previews

## White Background



This preview shows how the XYZ color 40.8292, 47.0702, 37.5054 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 40.8292, 47.0702, 37.5054 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

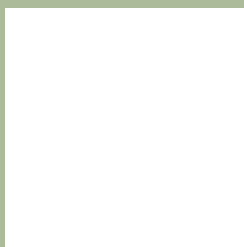
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 40.8292, 47.0702, 37.5054**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.8292, 47.0702, 37.5054.



This preview shows how white text looks on a background with the XYZ color 40.8292, 47.0702,

37.5054.

# 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

40.8292, 47.0702, 37.5054

### Protanopia

44.3062, 47.0277, 36.0202

### Deuteranopia

47.7103, 46.6496, 38.3880



## Tritanopia

45.1661, 46.9521, 59.5055

# Trichromacy



## Original Color

40.8292, 47.0702, 37.5054

## Protanomaly

42.8156, 46.8623, 36.4945

## Deuteranomaly

45.0870, 46.7786, 38.1053

## Tritanomaly

43.3855, 46.8473, 50.4718

# Monochromacy



## Original Color

40.8292, 47.0702, 37.5054

## 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 40.8292, 47.0702, 37.5054 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, 188, 154)` looks like.

```
.text, #text, p{  
    color:rgb(172, 188, 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(172, 188, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 188, 154) }
```

## Border

The CSS property to change the border of an element to XYZ 40.8292, 47.0702, 37.5054 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, 188, 154) }
```



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

```
.border{ border-color:rgb(172, 188, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 188, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 188, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 188, 154);  
box-shadow:4px 4px 4px 4px rgb(172, 188,  
154) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.8292, 47.0702, 37.5054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 188, 154) }
```

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

```
.background{ background-color: rgb(172,  
188, 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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